User Manual

Read and understand this manual before using machine.

INDUSTRIAL BAND SAW

(18” Model Shown)

Model Numbers

50200 (16”)

50250 (18”)

50300 (20”)

C US

STEEL CITY TOOL WORKS

VER. 6.07

Manual Part No. OR72527

THANK YOU for purchasing your new Steel City Industrial Band Saw. This band saw has been designed, tested, and inspected with you, the customer, in mind. When properly assembled, used and maintained, your band saw will provide you with years of trouble free service, which is why it is backed by one of the longest machinery warranties in the business.

This band saw is just one of many products in the Steel City's family of woodworking machinery and is proof of our commitment to total customer satisfaction.

At Steel City we continue to strive for excellence each and every day and value the opinion of you, our customer. For comments about your band saw or Steel City Tool Works, please visit our web site at **www.steelcitytoolworks.com** .

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INTRODUCTION

This user manual is intended for use by anyone working with this machine. It should be kept available for immediate reference so that all operations can be performed with maximum efficiency and safety. Do not attempt to perform maintenance or operate this machine until you have read and understand the information contained in this manual.

The drawings, illustrations, photographs, and specifications in this user manual represent your machine at time of print. However, changes may be made to your machine or this manual at any time with no obligation to Steel City Tool Works.

WARRANTY

STEEL CITY TOOL WORKS
5 YEAR LIMITED WARRANTY

Steel City Tool Works, LLC ("SCTW") warrants all "STEEL CITY TOOL WORKS" machinery to be free of defects in workmanship and materials for a period of 5 years from the date of the original retail purchase by the original owner. SCTW will repair or replace, at its expense and at its option, any SCTW machine, machine part, or machine accessory which in normal use has proven to be defective, provided that the customer returns the product, shipping prepaid, to an authorized service center with proof of purchase and provides SCTW with a reasonable opportunity to verify the alleged defect by inspection. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, or lack of maintenance, or to repairs or alterations made or specifically authorized by anyone other than SCTW. Normal wear components are also excluded under this coverage. Every effort has been made to ensure that all SCTW machinery meets the highest quality and durability standards. We reserve the right to change specifications at any time due to our commitment to continuous improvement of the quality of our products.

EXCEPT AS SET FORTH ABOVE, SCTW MAKES NO EXPRESS OR IMPLIED REPRESENTATIONS OR WARRANTIES WITH RESPECT TO ITS MACHINERY, OR ITS CONDITION, MERCHANTABILITY, OR FITNESS FOR ANY PARTICULAR PURPOSE OR USE. SCTW FURNISHES THE ABOVE WARRANTIES IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY SPECIFICALLY DISCLAIMED.

SCTW SHALL NOT BE LIABLE FOR ANY (A) SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOSS OF PROFITS, ARISING FROM OR RELATED TO THIS WARRANTY, THE BREACH OF ANY AGREEMENT OR WARRANTY, OR THE OPERATION OR USE OF ITS MACHINERY, INCLUDING WITHOUT LIMITATION DAMAGES ARISING FROM DAMAGE TO FIXTURES, TOOLS, EQUIPMENT, PARTS OR MATERIALS, DIRECT OR INDIRECT LOSS CAUSED BY ANY OTHER PARTY, LOSS OF REVENUE OR PROFITS, FINANCING OR INTEREST CHARGES, AND CLAIMS BY ANY THIRD PERSON, WHETHER OR NOT NOTICE OF SUCH POSSIBLE DAMAGES HAS BEEN GIVEN TO SCTW; (B) DAMAGES OF ANY KIND FOR ANY DELAY BY OR FAILURE OF SCTW TO PERFORM ITS OBLIGATIONS UNDER THIS AGREEMENT; OR (C) CLAIMS MADE A SUBJECT OF A LEGAL PROCEEDING AGAINST SCTW MORE THAN ONE (1) YEAR AFTER SUCH CAUSE OF ACTION FIRST AROSE.

The validity, construction and performance of this Warranty and any sale of machinery by SCTW shall be governed by the laws of the Commonwealth of Pennsylvania, without regard to conflicts of laws provisions of any jurisdiction. Any action related in any way to any alleged or actual offer, acceptance or sale by SCTW, or any claim related to the performance of any agreement including without limitation this Warranty, shall take place in the federal or state courts in Allegheny County, Pennsylvania.

STEEL CITY TOOL WORKS

WARRANTY CARD

Name _____
Street _____
Apt. No. _____
City _____ State _____ Zip _____
Phone Number _____
E-Mail _____

Product Description: _____
Model No.: _____
Serial No. _____

The following information is given on a voluntary basis and is strictly confidential.

1. Where did you purchase your STEEL CITY machine?
   Store: _____
   City: _____

2. How did you first learn of Steel City Tool Works?
   ___ Advertisement ___ Mail Order Catalog
   ___ Web Site ___ Friend
   ___ Local Store Other_____

3. Which of the following magazines do you subscribe to?
   ___ American Woodworker ___ American How-To
   ___ Cabinetmaker ___ Family Handyman
   ___ Fine Homebuilding ___ Fine Woodworking
   ___ Journal of Light Construction ___ Old House Journal
   ___ Popular Mechanics ___ Popular Science
   ___ Popular Woodworking ___ Today's Homeowner
   ___ WOOD ___ Woodcraft
   ___ WOODEN Boat ___ Woodshop News
   ___ Woodsmith ___ Woodwork
   ___ Woodworker ___ Woodworker's Journal
   ___ Workbench Other_____

4. Which of the following woodworking / remodeling shows do you watch?
   ___ Backyard America ___ The American Woodworker
   ___ Home Time ___ The New Yankee Workshop
   ___ This Old House ___ Woodwright's Shop
   Other_____

5. What is your annual household income?
   ___ $20,000 to $29,999 ___ $30,000 to $39,999
   ___ $40,000 to $49,999 ___ $50,000 to $59,999
   ___ $60,000 to $69,999 ___ 70,000 to $79,999
   ___ $80,000 to $89,999 ___ $90,000 +

6. What is your age group?
   ___ 20 to 29 years ___ 30 to 39 years
   ___ 40 to 49 years ___ 50 to 59 years
   ___ 60 to 69 years ___ 70 + years

7. How long have you been a woodworker?
   ___ 0 to 2 years ___ 2 to 8 years
   ___ 8 to 20 years ___ over 20 years

8. How would you rank your woodworking skills?
   ___ Simple ___ Intermediate
   ___ Advance ___ Master Craftsman

9. How many Steel City machines do you own? _____

10. What stationary woodworking tools do you own?
    Check all that apply.
    ___ Air Compressor ___ Band Saw
    ___ Drill Press ___ Drum Sander
    ___ Dust Collection ___ Horizontal Boring Machine
    ___ Jointer ___ Lathe
    ___ Mortiser ___ Panel Saw
    ___ Planer ___ Power Feeder
    ___ Radial Arm Saw ___ Shaper
    ___ Spindle Sander ___ Table Saw
    ___ Vacuum Veneer Press ___ Wide Belt Sander
    Other_____

11. Which benchtop tools do you own? *Check all that apply.*
    ___ Belt Sander ___ Belt / Disc Sander
    ___ Drill Press ___ Band Saw
    ___ Grinder ___ Mini Jointer
    ___ Mini Lathe ___ Scroll Saw
    ___ Spindle / Belt Sander Other_____

12. Which portable / hand held power tools do you own?
    Check all that apply.
    ___ Belt Sander ___ Biscuit Jointer
    ___ Dust Collector ___ Circular Saw
    ___ Detail Sander ___ Drill / Driver
    ___ Miter Saw ___ Orbital Sander
    ___ Palm Sander ___ Portable Thickness Planer
    ___ Saber Saw ___ Reciprocating Saw
    ___ Router Other_____

13. What machines / accessories would you like to see added to the STEEL CITY line?
    _____
    _____

14. What new accessories would you like to see added?
    _____
    _____

15. Do you think your purchase represents good value?
    ___Yes ___ No

16. Would you recommend STEEL CITY products to a friend?
    ___ Yes ___ No

17. Comments:
    _____
    _____
    _____
    _____
    _____

CUT HERE

FOLD ON DOTTED LINE

PLACE
STAMP
HERE

Steel City Tool Works
P.O. Box 10529
Murfreesboro, TN 37129

FOLD ON DOTTED LINE

PRODUCT SPECIFICATIONS

Model Number	50200 (16”)	50250 (18”)	50300 (20”)
Cutting Capacity (height)	10”	12”	12-1/4”
Cutting Capacity (width)	16”	18”	20”
Maximum Rip Left of Blade w/fence	12-1/4”	15-1/2”	19”
Maximum Rip Right of Blade w/fence	8-1/2”	10”	9-3/4”
Blade Length	125”	137”	150”
Blade Speed	1630/2820 SFPM	1850/3100 SFPM	2100/3450 SFPM
Minimum Blade width	1/8”	1/8”	1/8”
Maximum Blade width	1”	1-1/4”	1-1/4”
Table Size	16” X 16”	20” x 20”	20” x 20”
Table Tilt	48R, 10L	48R, 10L	48R, 10L
Table height from floor	37”	37”	40”
Wheel Diameter	16-5/8”	18-5/8”	20-1/2”
Dust Port Size	4”	4”	4”
Motor			
Horsepower	1-1/2HP	2HP	3HP
Amps	15/7.5	10.8	12.7
Volts	115/230	230	230
Phase	single	single	single
Hertz	60	60	60
RPM	1720	1720	1720
Product Dimensions			
Footprint	17-3/4” X 27”	18”x 28-1/2”	21” x 33”
Width	34”	39	40
Depth	25”	27	29
Height	68”	73	78
Net Weight	341 lbs.	450 lbs.	536 lbs.
Shipping Dimensions			
Carton Type	cardboard carton	cardboard carton	cardboard carton
Width	30”	35”	36”
Depth	23”	25”	27”
Height	70”	75”	80”
Gross Weight	387 lbs.	510 lbs.	596 lbs.

ACCESSORIES AND ATTACHMENTS

There are a variety of accessories available for your Steel City Product. For more information on any accessories associated with this and other machines, please contact your nearest Steel City distributor, or visit our website at: **www.steelcitytoolworks.com**.

DEFINITION OF TERMS

Blade drift - A problem that may occur when the blade begins to wander off the cutting line.

Crosscutting - Cutting across the grain, or the width of the workpiece.

Guide Bearings - Located on either side of the blade, providing stability for blade while cutting.

Resaw - The process of slicing stock to reduce its thickness.

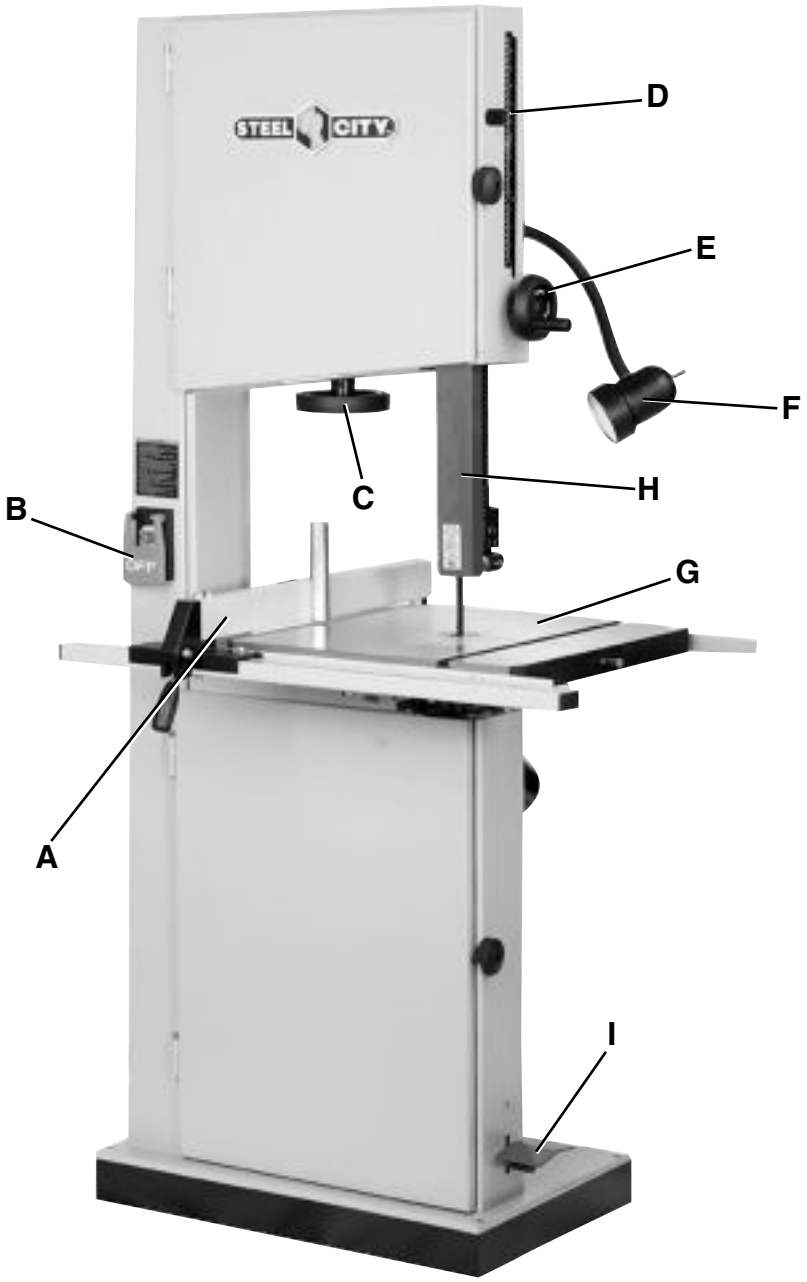
Ripping - Cutting lengthwise down the workpiece with the grain of the wood.

Set - Refers to the blade and the angle at which the saw teeth are bent or positioned.

Tracking - Refers to the orientation of the saw blade on the wheels while the machine is running.

Thrust Bearing - Located behind the saw blade, providing support to the back of the blade when the blade is cutting.

FEATURE IDENTIFICATION



A. FENCE ASSEMBLY
B. ON/OFF SWITCH
C. BLADE TENSIONING HANDWHEEL
D. DEPTH SCALE
E. BLADE GUARD ADJUSTMENT HANDWHEEL
F. FLEXIBLE LAMP
G. TABLE
H. BLADE GUARD
I. FOOT BRAKE (18” AND 20” MODELS ONLY)

GENERAL SAFETY

⚠ WARNING

TO AVOID serious injury and damage to the machine, read and follow all Safety and Operating Instructions before assembling and operating this machine.

This manual is not totally comprehensive. It does not and can not convey every possible safety and operational problem which may arise while using this machine. The manual will cover many of the basic and specific safety procedures needed in an industrial environment.

All federal and state laws and any regulations having jurisdiction covering the safety requirements for use of this machine take precedence over the statements in this manual. Users of this machine must adhere to all such regulations.

Below is a list of symbols that are used to attract your attention to possible dangerous conditions.

⚠

This is the international safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

⚠ WARNING

Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

⚠ CAUTION

Indicates a potentially hazardous situation, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.

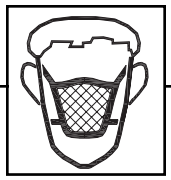
CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTICE

This symbol is used to alert the user to useful information about proper operation of the machine.

⚠ WARNING



Exposure to the dust created by power sanding, sawing, grinding, drilling and other construction activities may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. The dust may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

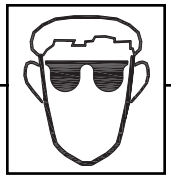
Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Always operate tool in well ventilated area and provide for proper dust removal. Use a dust collection system along with an air filtration system whenever possible. Always use properly fitting NIOSH/OSHA approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.

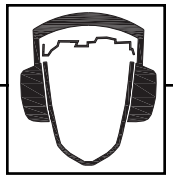
1. To avoid serious injury and damage to the machine, read the entire User Manual before assembly and operation of this machine.

⚠ WARNING



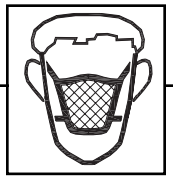
2. **ALWAYS** wear eye protection. Any machine can throw debris into the eyes during operations, which could cause severe and permanent eye damage. Everyday eyeglasses are **NOT** safety glasses. **ALWAYS** wear Safety Goggles (that comply with ANSI standard Z87.1) when operating power tools.

⚠ WARNING



3. **ALWAYS** wear hearing protection. Plain cotton is not an acceptable protective device. Hearing equipment should comply with ANSI S3.19 Standards.

⚠ WARNING



4. **ALWAYS** wear a NIOSH/OSHA approved dust mask to prevent inhaling dangerous dust or airborne particles.

5. **ALWAYS** keep the work area clean, well lit, and organized. **DO NOT** work in an area that has slippery floor surfaces from debris, grease, and wax.

6. **ALWAYS** unplug the machine from the electrical receptacle before making adjustments, changing parts or performing any maintenance.

7. **AVOID ACCIDENTAL STARTING**. Make sure that the power switch is in the "OFF" position before plugging in the power cord to the electrical receptacle.

⚠ WARNING

8. **AVOID** a dangerous working environment. **DO NOT** use electrical tools in a damp environment or expose them to rain or moisture.

⚠ WARNING

9. **CHILDPROOF THE WORKSHOP AREA** by removing switch keys, unplugging tools from the electrical receptacles, and using padlocks.

10. **DO NOT** use electrical tools in the presence of flammable liquids or gasses.

11. **DO NOT FORCE** the machine to perform an operation for which it was not designed. It will do a safer and higher quality job by only performing operations for which the machine was intended.

12. **DO NOT** stand on a machine. Serious injury could result if it tips over or you accidentally contact any moving part.

13. **DO NOT** store anything above or near the machine.

14. **DO NOT** operate any machine or tool if under the influence of drugs, alcohol, or medication.

15. **EACH AND EVERY** time, check for damaged parts prior to using any machine. Carefully check all guards to see that they operate properly, are not damaged, and perform their intended functions. Check for alignment, binding or breakage of all moving parts. Any guard or other part that is damaged should be immediately repaired or replaced.

16. Ground all machines. If any machine is supplied with a 3-prong plug, it must be plugged into a 3-contact electrical receptacle. The third prong is used to ground the tool and provide protection against accidental electric shock. **DO NOT** remove the third prong.

17. Keep visitors and children away from any machine. **DO NOT** permit people to be in the immediate work area, especially when the machine is operating.

18. **KEEP** protective guards in place and in working order.

19. **MAINTAIN** your balance. **DO NOT** extend yourself over the tool. Wear oil resistant rubber soled shoes. Keep floor clear of debris, grease, and wax.

20. **MAINTAIN** all machines with care. **ALWAYS KEEP** machine clean and in good working order. **KEEP** all blades and tool bits sharp.

21. **NEVER** leave a machine running, unattended. Turn the power switch to the OFF position. **DO NOT** leave the machine until it has come to a complete stop.

22. **REMOVE ALL MAINTENANCE TOOLS** from the immediate area prior to turning the machine ON.

23. **SECURE** all work. When it is possible, use clamps or jigs to secure the workpiece. This is safer than attempting to hold the workpiece with your hands.

24. **STAY ALERT**, watch what you are doing, and use common sense when operating any machine. **DO NOT** operate any machine tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

25. **USE ONLY** recommended accessories. Use of incorrect or improper accessories could cause serious injury to the operator and cause damage to the machine. If in doubt, **DO NOT** use it.
26. **THE USE** of extension cords is not recommended for 230V equipment. It is better to arrange the placement of your equipment and the installed wiring to eliminate the need for an extension cord. If an extension cord is necessary, refer to the chart in the Grounding Instructions section to determine the minimum gauge for the extension cord. The extension cord must also contain a ground wire and plug pin.
27. Wear proper clothing, **DO NOT** wear loose clothing, gloves, neckties, or jewelry. These items can get caught in the machine during operations and pull the operator into the moving parts. Users must wear a protective cover on their hair, if the hair is long, to prevent it from contacting any moving parts.
28. **SAVE** these instructions and refer to them frequently and use them to instruct other users.
29. Information regarding the safe and proper operation of this tool is also available from the following sources:

    Power Tool Institute
    1300 Summer Avenue
    Cleveland, OH 44115-2851
    www.powertoolinstitute.org

    National Safety Council
    1121 Spring Lake Drive
    Itasca, IL 60143-3201

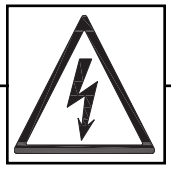
    American National Standards Institute
    25West 43rd. St, 4th Floor
    New York, NY. 10036
    ANSI 01.1 Safety Requirements
    For Woodworking Machines
    WWW.ANSI.ORG

    U.S. Department of Labor Regulations
    OSHA 1910.213 Regulations
    WWW.OSHA.GOV

PRODUCT SAFETY

1. Serious personal injury may occur if normal safety precautions are overlooked or ignored. Accidents are frequently caused by lack of familiarity or failure to pay attention. Obtain advice from supervisor, instructor, or another qualified individual who is familiar with this machine and its operations.
2. Every work area is different. Always consider safety first, as it applies to your work area. Use this machine with respect and caution. Failure to do so could result in serious personal injury and damage to the machine.
3. Prevent electrical shock. Follow all electrical and safety codes, including the National Electrical Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.

⚠ WARNING



4. **TO REDUCE** the risk of electrical shock. **DO NOT** use this machine outdoors. **DO NOT** expose to rain or moisture. Store indoors in a dry area.

5. **STOP** using this machine, if at any time you experience difficulties in performing any operation. Contact your supervisor, instructor or machine service center immediately.
6. Safety decals are on this machine to warn and direct you to how to protect yourself or visitors from personal injury. These decals **MUST** be maintained so that they are legible. **REPLACE** decals that are not legible.
7. **DO NOT** leave the unit plugged into the electrical outlet. Unplug the unit from the outlet when not in use and before servicing, performing maintenance tasks, or cleaning.
8. **ALWAYS** turn the power switch “OFF” before unplugging the band saw.

⚠ WARNING

9. **DO NOT** handle the plug or band saw with wet hands.

10. **USE** accessories only recommended by Steel City.
11. **DO NOT** pull the band saw by the power cord. **NEVER** allow the power cord to come in contact with sharp edges, hot surfaces, oil or grease.
12. **DO NOT** unplug the band saw by pulling on the power cord. **ALWAYS** grasp the plug, not the cord.
13. **REPLACE** a damaged cord immediately. **DO NOT** use a damaged cord or plug. **DO NOT** use if the band saw is not operating properly, or has been damaged, left outdoors or has been in contact with water.

14. **DO NOT** use the band saw as a toy. DO NOT use near or around children.

15. **ENSURE** that the machine sits firmly on the floor before using. If the machine wobbles or is unstable, correct the problem by using shims or blocks prior to operation.

16. **MATCH** the blade type and size to the workpiece being cut.

17. **MAKE SURE** that the blade tension is set appropriately for the size of blade being used.

18. **MAKE SURE** that the blade is tracking properly by manually turning the wheels before starting the machine.

19. **ADJUST** all blade guides as specified in the operating instructions.

20. **ADJUST** the upper guide to a point about 1/8" above the workpiece being cut.

21. **DO NOT** cut workpieces that do not have a flat bottom without properly supporting the piece to maintain a stable position.

22. **KEEP** hands and fingers away from blade.

23. **HOLD** workpiece firmly and use a moderate feed speed.

24. **MAKE** "relief" cuts in workpiece before cutting curves.

25. **TURN OFF** machine before backing the workpiece out of an incomplete cut.

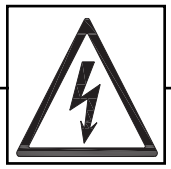
26. **TURN OFF** the machine before removing scrap pieces.

27. **REGULARLY** clean dust build-up around lower blade guides.

28. **TURN** machine off and disconnect from power source before performing any cleaning, maintenance or repairs.

ELECTRICAL REQUIREMENTS

⚠ WARNING



To reduce the risk of electric shock, follow all electrical and safety codes, including the National Electric Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.

This manual is written for three specific band saw models: Model No. 50200 (16"), Model No 50250 (18"), and Model No. 50300 (20"). Please follow the specific requirements for your model band saw.

MODEL NO. 50200

The switch provided with your saw is a dual voltage capable switch, meaning it is designed to function at either 115 or 230 volts. The switch and saw comes prewired for 115 volt operation. If you decide to convert the saw to 230V, you will have to replace the 115 volt plug on the switch with a UL/CSA Listed plug, suitable for 230 volts. The band saw with a 230 volt plug should only be connected to an outlet having the same configuration as the plug. No adapter is available or should be used with the 230 volt plug. Once the modification has been made to the plug of the switch, be sure to follow the instructions under CHANGING MOTOR VOLTAGE for changing the motor voltage from 115 volt to 230 volt in the ADJUSTMENTS section of this manual.

MODELS NO. 50250 and 50300

The switch provided with your saw is designed for 230 volt single phase usage only. The switch has a plug that is designed to plug into a 230 volt outlet. There are many different configurations for 230 volt outlets, so it is conceivable that the configuration of the plug may not match the configuration of your existing outlet. If this is the case, you will have to replace the plug with a UL/CSA approved plug that matches the configuration of your 230V outlet.

GROUNDING INSTRUCTIONS

⚠ WARNING

This machine **MUST BE GROUNDED** while in use to protect the operator from electric shock.

In the event of a malfunction or breakdown, **GROUNDING** provides the path of least resistance for electric current and reduces the risk of electric shock. The plug **MUST** be plugged into a matching electrical receptacle that is properly installed and grounded in accordance with **ALL** local codes and ordinances.

If a plug is provided with your machine **DO NOT** modify the plug. If it will not fit your electrical receptacle, have a qualified electrician install the proper connections to meet all electrical codes local and state. All connections must also adhere to all of OSHA mandates.

IMPROPER ELECTRICAL CONNECTION of the equipment-grounding conductor can result in risk of electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment-grounding conductor. **DO NOT** connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

PLUGS/RECEPTACLES

⚠ WARNING

- Electrocution or fire could result if this machine is not grounded properly or if the electrical configuration does not comply with local and state electrical codes.
- **MAKE CERTAIN** the machine is disconnected from power source before starting any electrical work.
- **MAKE SURE** the circuit breaker does not exceed the rating of the plug and receptacle.

Depending on which model you have, the motor supplied with your machine is either a 115/230 volt, 60 hertz, single phase motor, or a dedicated 230 volt, 60 hertz, single phase motor. Never connect the green or ground wire to a live terminal.

The machine should only be connected to an outlet having the same configuration as the plug.

EXTENSION CORDS

⚠ WARNING

To reduce the risk of fire or electrical shock, use the proper gauge of extension cord. When using an extension cord, be sure to use one heavy enough to carry the current your machine will draw.

The smaller the gauge-number, the larger the diameter of the extension cord is. If in doubt of the proper size of an extension cord, use a shorter and thicker cord. An undersized cord will cause a drop in line voltage resulting in a loss of power and overheating.

⚠ CAUTION

USE ONLY a 3-wire extension cord that has a 3-prong grounding plug and a 3-pole receptacle that accepts the machine's plug.

If you are using an extension cord outdoors, be sure it is marked with the suffix "W-A" ("W" in Canada) to indicate that it is acceptable for outdoor use.

Make certain the extension cord is properly sized, and in good electrical condition. Always replace a worn or damaged extension cord immediately or have it repaired by a qualified person before using it.

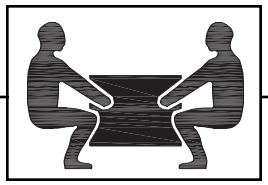
Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

MINIMUM RECOMMENDED GAUGE FOR EXTENSION CORDS (AWG)			
115 VOLT OPERATION ONLY			
	25' LONG	**50' LONG**	**100' LONG**
0 to 6 Amps	18 AWG	16 AWG	16 AWG
6 to 10 Amps	18 AWG	16 AWG	14 AWG
10 to 12 Amps	16 AWG	16 AWG	14 AWG
12 to 15 Amps	14 AWG	12 AWG	Not recommended

MINIMUM RECOMMENDED GAUGE FOR EXTENSION CORDS (AWG)			
230 VOLT OPERATION ONLY			
	25' LONG	**50' LONG**	**100' LONG**
0 to 6 Amps	18 AWG	18 AWG	16 AWG
6 to 10 Amps	18 AWG	18 AWG	14 AWG
10 to 12 Amps	16 AWG	16 AWG	14 AWG
12 to 15 Amps	14 AWG	12 AWG	Not recommended

UNPACKING & INVENTORY

⚠ WARNING



- The machine is heavy, two people are required to unpack and lift.
- Use a safety strap to avoid tip over when lifting machine.

Check shipping carton and machine for damage before unpackaging. Carefully remove packaging materials, parts and machine from shipping carton. Always check for and remove protective shipping materials around motors and moving parts. Lay out all parts on a clean work surface.

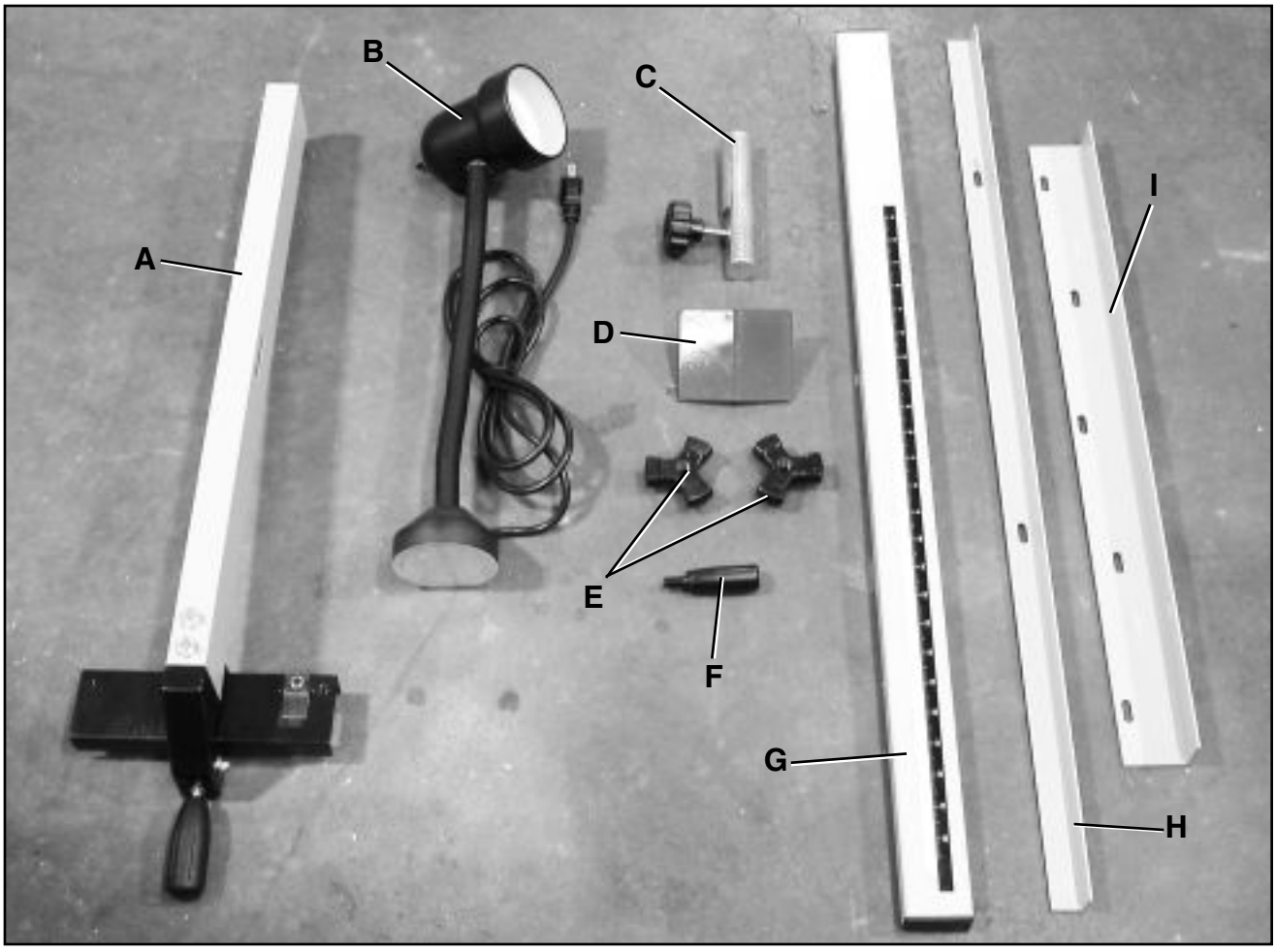
Remove any protective materials and coatings from all of the parts and the band saw. The protective coatings can be removed by spraying WD-40 on them and wiping it off with a soft cloth. This may need redone several times before all of the protective coatings are removed completely.

After cleaning, apply a good quality paste wax to any unpainted surfaces. Make sure to buff out the wax before assembly.

Compare the items to inventory figures; verify that all items are accounted for before discarding the shipping box.

⚠ WARNING

If any parts are missing, do not attempt to plug in the power cord and turn “ON” the machine. The machine should only be turned “ON” after all the parts have been obtained and installed correctly. For missing parts, contact Steel City at 1-877-SC4-TOOL.



A. FENCE
B. ADJUSTABLE LAMP
C. RESAW GUIDE
D. BRAKE PEDAL (18” and 20” model only)
E. LOCK KNOBS
F. HANDLE
G. GUIDE TUBE
H. REAR RAIL
I. FRONT RAIL

J. TABLE

K. OPEN END WRENCH

L. HEX WRENCHES (2)

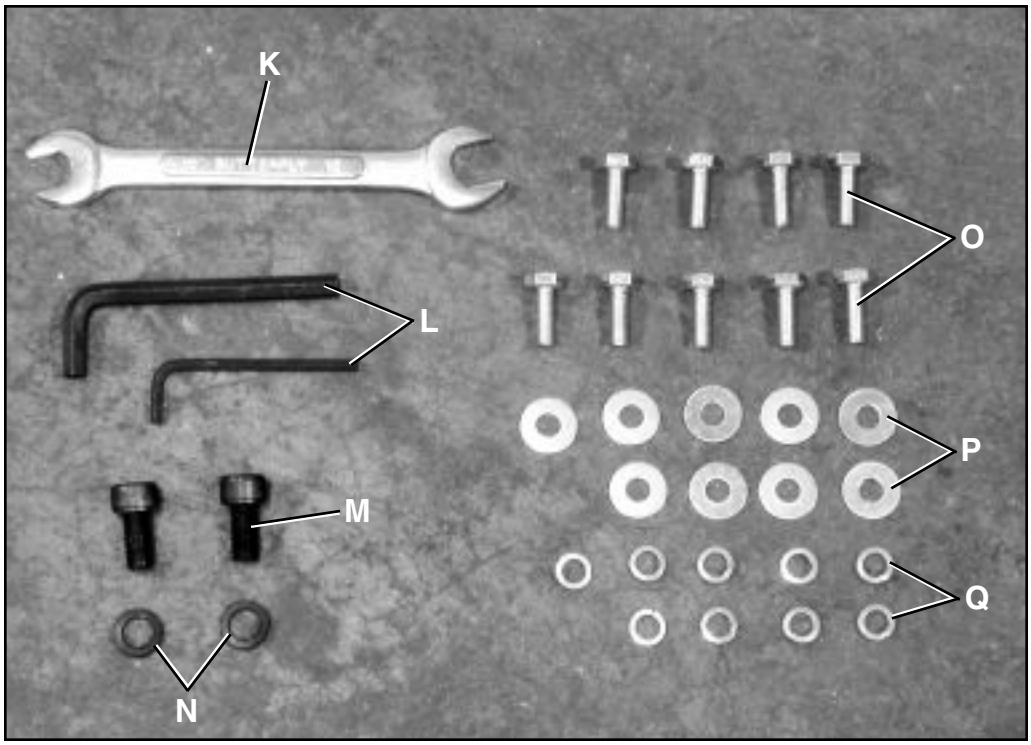
M. M6 SOCKET HEAD CAP SCREWS (2)

N. M6 FLAT WASHERS (2)

O. M6 HEX HEAD SCREWS (9)

P. M6 FLAT WASHERS (9)

Q. M6 LOCK WASHERS (9)



ASSEMBLY

MACHINE PLACEMENT

Take into consideration the following factors when determining a final location for the band saw.

FLOOR

It is very important that the band saw be set on a solid and level surface, capable of supporting the weight of the band saw and the operator. If the band saw rocks, use metal shims at the corners of the machine between the base and the floor to eliminate the rocking. The band saw may also be bolted to the floor with bolts or lag screws, if desired, using the same holes that fastened the band saw to the wooden shipping skid.

WORKING CLEARANCES

Make an allowance for the size of the material to be processed. Make sure that you have adequate clearance so that the operator has enough room to operate the saw safely and freely.

OUTLET LOCATION

Electrical outlets should be located close enough to the machine so that the power cord is not in an area where it would cause a tripping hazard. Be sure to observe all electrical codes if installing new circuits and/or outlets.

ATTACHING FOOT BRAKE PEDAL

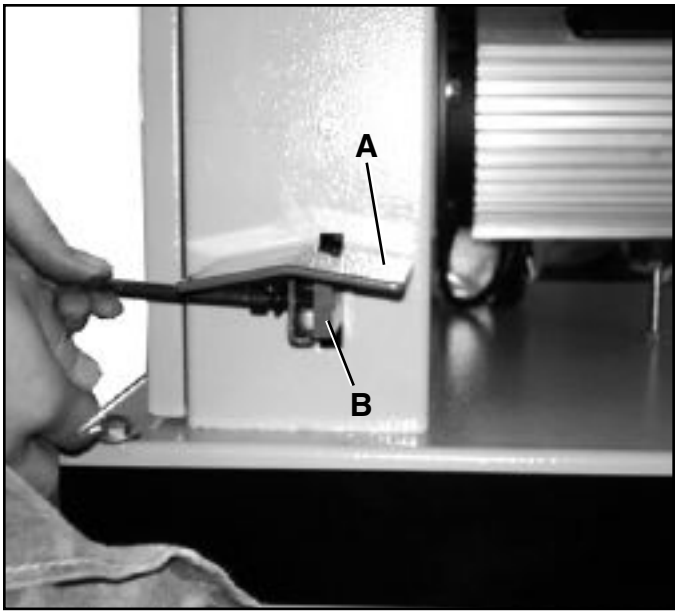
NOTE: Model 50200(16") does not have a foot brake pedal. Owners of this model should skip this step

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Bolt the Foot Pedal(A) to the bar (B) using two M6 hex head cap screws and two M6 flat washers. **SEE FIG 1**.

Fig. 1



MOUNTING THE TABLE

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Note: The table is heavy. It is recommended that you have a helper for this step.

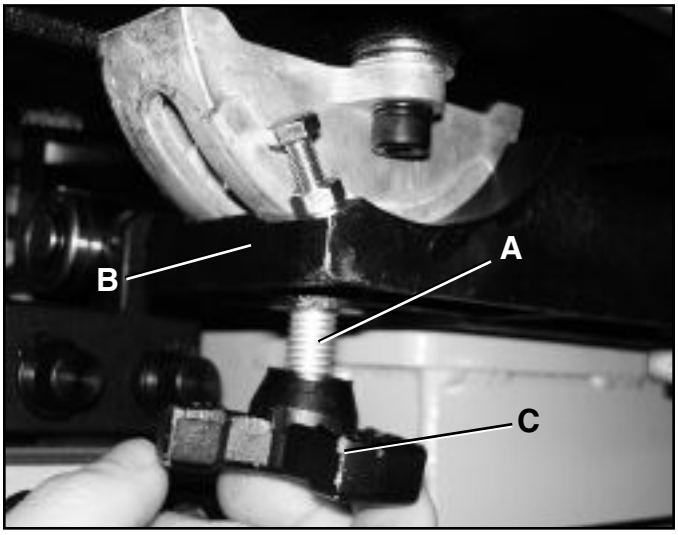
1. Remove the tapered pin from the table.
2. Feed the blade through the slot in the table where the tapered pin was removed. **SEE FIG 2**.

Fig. 2

3. Rotate the table 90 degrees so that the miter slot is towards the front of the machine.

4. Line up the two threaded bolts (A) with the two trunnions (B) and guide them through until the table is seated in both cradles. **SEE FIG 3.**

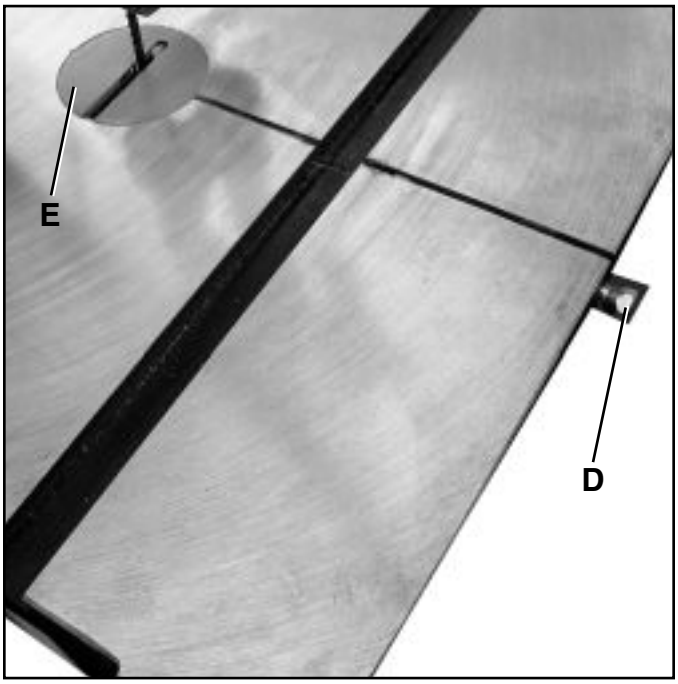
Fig. 3



5. Fasten the table using the locking knobs (C)

6. Replace tapered pin (D) and install blade insert (E). **SEE FIG 4.**

Fig. 4



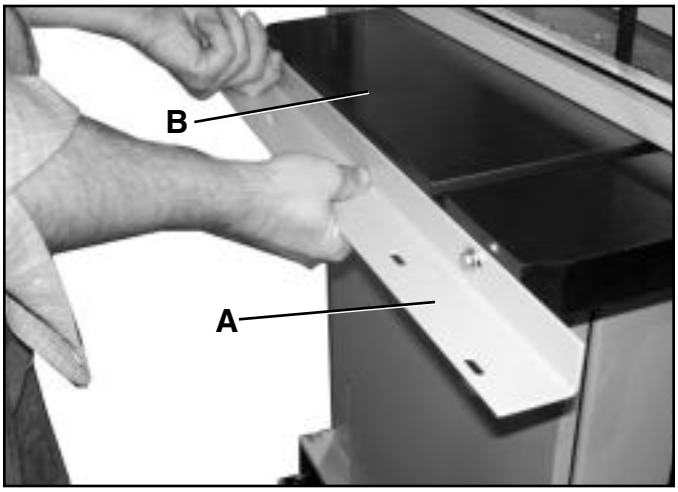
RAIL ASSEMBLY

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Attach the front rail(A) to the cast iron table(B) using two hex head bolts, two lock washers and two flat washers. Try and center the bolts in the slots of the rail. Do not fully tighten yet, just snug the bolts by hand. **SEE FIG 5.**

Fig. 5



2. Attach the rear rail to the table in the same manner as the front rail, using two hex head bolts two lock washers and two flat washers. Once again, snug the bolts by hand.

3. Push the front and rear rails towards the front of the saw as far as they will go.

4. Securely tighten all four hex head bolts that fasten the front and rear rails to the table at this time.

5. Attach the guide tube to the front rail using five hex head bolts, five lock washers, and five flat washers. Only snug by hand at this time. **SEE FIG 6.**

Fig. 6

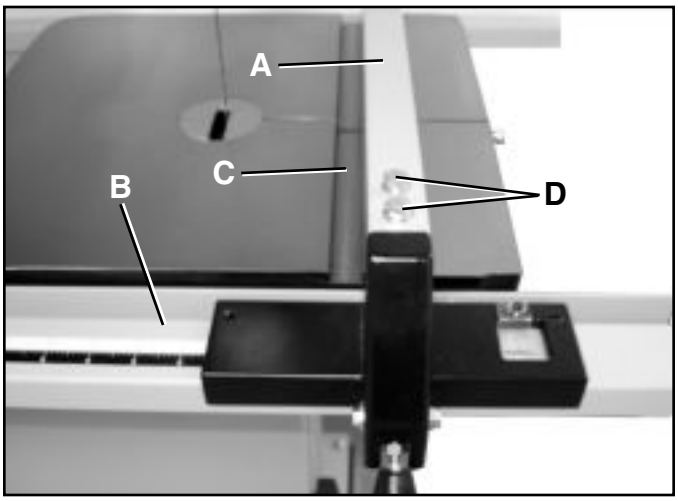
FENCE ADJUSTMENT

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Place the fence assembly (A) onto the guide tube (B). Make sure that the hook on the rear of the fence fits under the rear rail. **SEE FIG 7.**

Fig. 7



2. Line up the edge of the fence with the edge of the miter slot (C) and lock the fence handle. If the fence lines up parallel with the miter slot skip ahead to step 5, otherwise proceed to step 3.
3. If the fence is not parallel to the miter slot, with the fence handle still locked, loosen the two hex head screws (D) on top on the fence.
4. Shift the fence body until it lines up parallel with the miter slot, and then retighten the two hex head screws loosened in step 3.
5. Remove the fence and reposition so that the fence body is to left of the blade and the pointer on the fence body points to the zero mark on the black scale. Lock the fence handle. **SEE FIG 8.**

Fig. 8

6. With the fence still locked, move the guide tube until the body of the fence is flush up against the blade.

NOTE: Do not force the fence up against the blade as you may bend it. The fence should just touch the blade

7. Tighten all five hex head screws that fasten the guide tube to the front rail.
8. After tightening the five hex head screws, remove the fence and reposition it next to the miter slot to confirm that the fence is still parallel to the miter slot. If an adjustment is necessary, repeat steps 3 and 4.

RESAW GUIDE

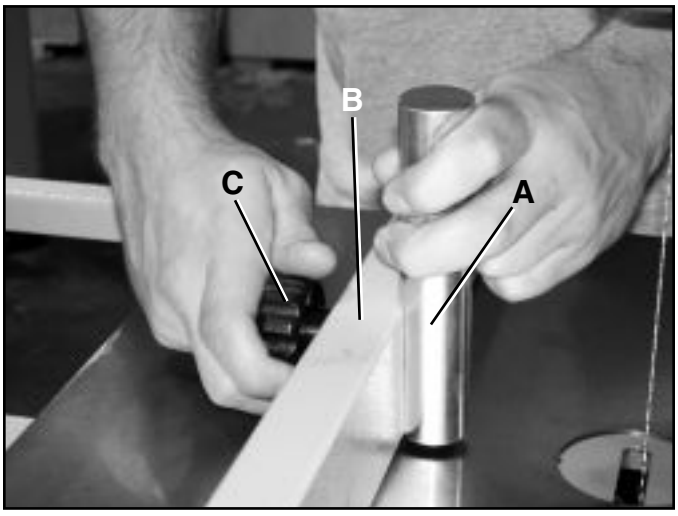
Resawing is the method of ripping a piece of lumber into thinner pieces. To do this effectively, a Resaw guide is provided with your bandsaw. The guide gives you one point of contact so you can “steer” the workpiece to compensate for blade drift. To attach:

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Attach the post (A) to the fence (B) using the lock knob (C). **SEE FIG 9.**
2. Position the post so that it is centered with the front edge of the blade, and tighten knob securely.

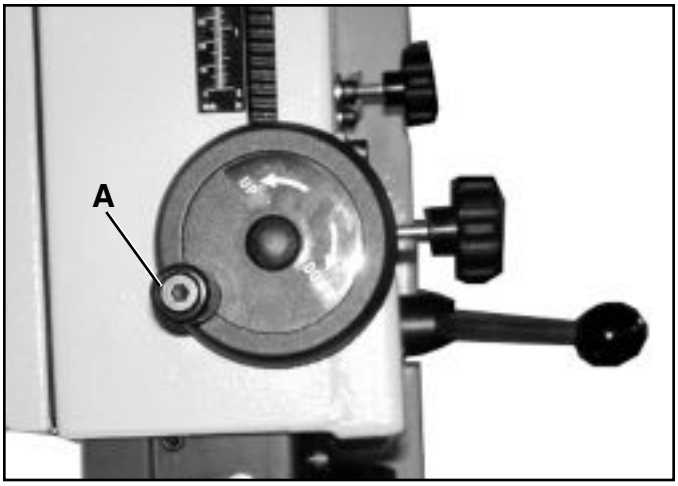
Fig. 9



ATTACHING HANDLE

Attach handle (A) by threading it into the raising/lowering handwheel on the front of the band saw. **SEE FIG. 9A.**

Fig. 9A



ADJUSTMENTS

ADJUSTING CLEARANCE BETWEEN FENCE AND TABLE

The fence should not rub on the table surface. It is designed to ride on the front and rear rails and sit just above the surface of the table. The gap between the fence and the table should be the same at the front of the fence as it is at the rear of the fence. If an adjustment is necessary:

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Using a screwdriver, tighten or loosen (depending on whether the front end of the fence needs to be raised or lowered) set screw (A) located on the front of the fence. **SEE FIG 10.**

Fig. 10

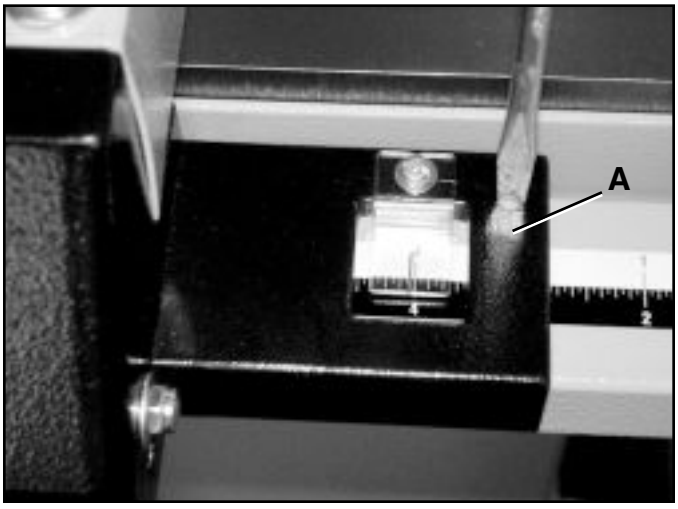


TABLE TILT

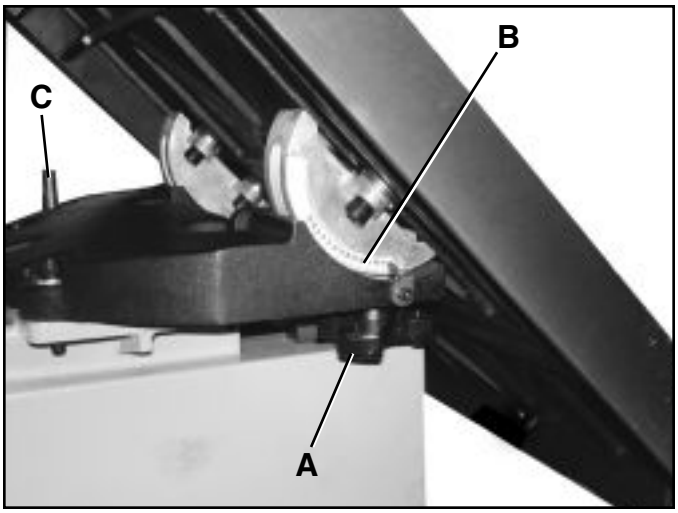
The table on your bandsaw is designed to tilt up to 48 degrees to the right and up to 10 degrees to the left. To tilt the table:

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Loosen both lock knobs on the underside of the table, one is shown at (A). **SEE FIG 11.**

Fig. 11



2. Tilt the table to the right, note the scale (B) on the side shows the angle of the table.
3. Retighten lock knobs when desired angle is achieved.

NOTE: In order to tilt the table to the left, it will be necessary to remove the 90° table stop bolt (C).

SETTING BLADE TENSION

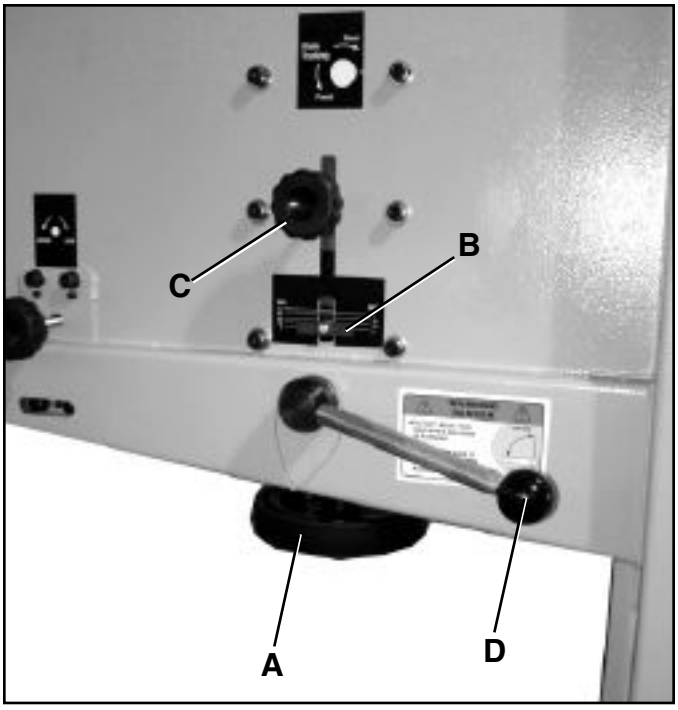
The blade tension is set by using the blade tension handwheel. It **MUST** be set prior to initial operation as it plays a vital role in setup of other features of the band saw. It should also be checked when the blade is replaced, and from time to time as the blade will stretch after prolonged use. Keep in mind that putting too much or too little tension on the blade can cause either blade breakage (too much pressure) or poor cutting results (too little pressure).

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Set the blade tension by rotating the handwheel (A). Turning the handwheel clockwise increases the tension while turning the handwheel counterclockwise decreases the tension. **SEE FIG 12.**

Fig. 12



2. The Blade Tension Gauge (B) shows approximately how much tension should be applied depending on the width of the blade. Set the blade to the proper tension setting for your specific blade width.

NOTE: When the band saw is not being used, it is a good idea to release the tension on the blade as this will help to prolong the blade life. An easy way to do this is by using the Blade Tension Quick Release Lever (D).

⚠ WARNING

Make sure that the blade tension quick release lever is reset before operating the saw.

BLADE TRACKING

Blade tracking refers to the way the saw blade rides on the wheels while the machine is in operation. This adjustment has been set at the factory, but it is good practice to check the tracking each time before using the machine. Tracking should also be checked after a blade change.

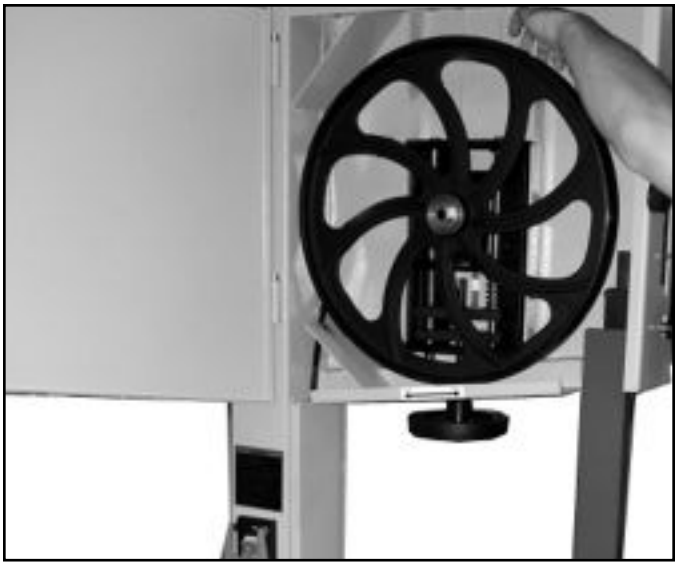
⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Open the upper door exposing the top wheel of the bandsaw. **SEE FIG. 13.**

2. Rotate the blade clockwise, by hand, and take note of the position of the blade on the wheel. The blade should ride on the center of the wheel.

Fig. 13



3. If the blade does not ride on the center of the wheel, or starts to move towards the edge of the wheel, slightly rotate the Upper Tracking Adjustment Knob (C). **SEE FIG 12.**

NOTE: When rotating Upper Tracking Adjustment Knob, do so in small increments as this is a sensitive adjustment

4. Once proper tracking is achieved, close upper door.

5. If proper tracking can not be achieved through the preceding steps, follow the steps in the section labeled ADJUSTING UPPER AND LOWER WHEEL ASSEMBLIES.

ADJUSTING UPPER AND LOWER WHEEL ASSEMBLIES

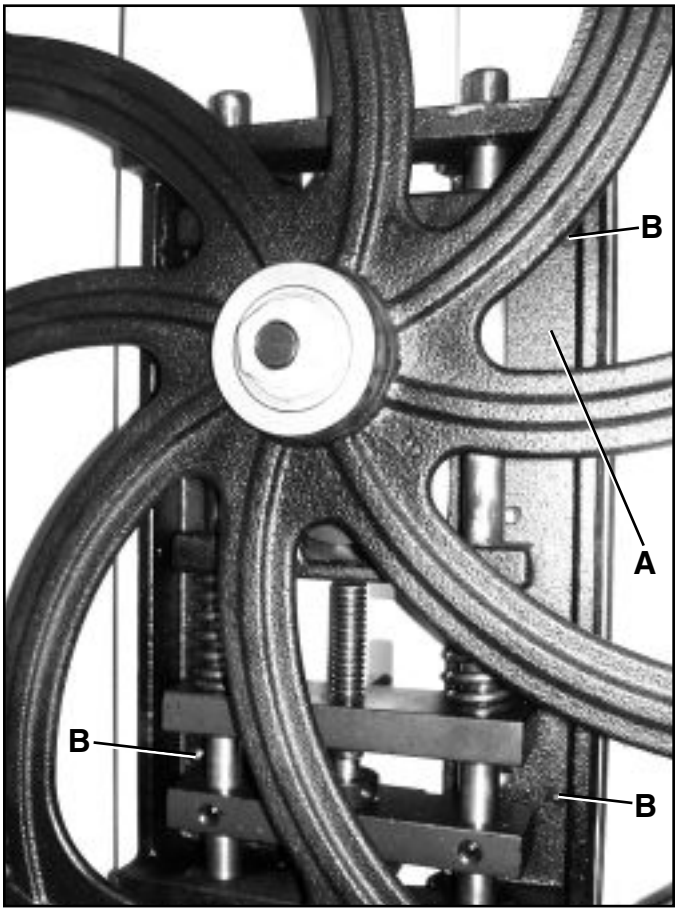
NOTICE: The following adjustments should ONLY be made when the blade will not track in the center of both wheels after following ALL of the steps in the BLADE TRACKING section of this manual.

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

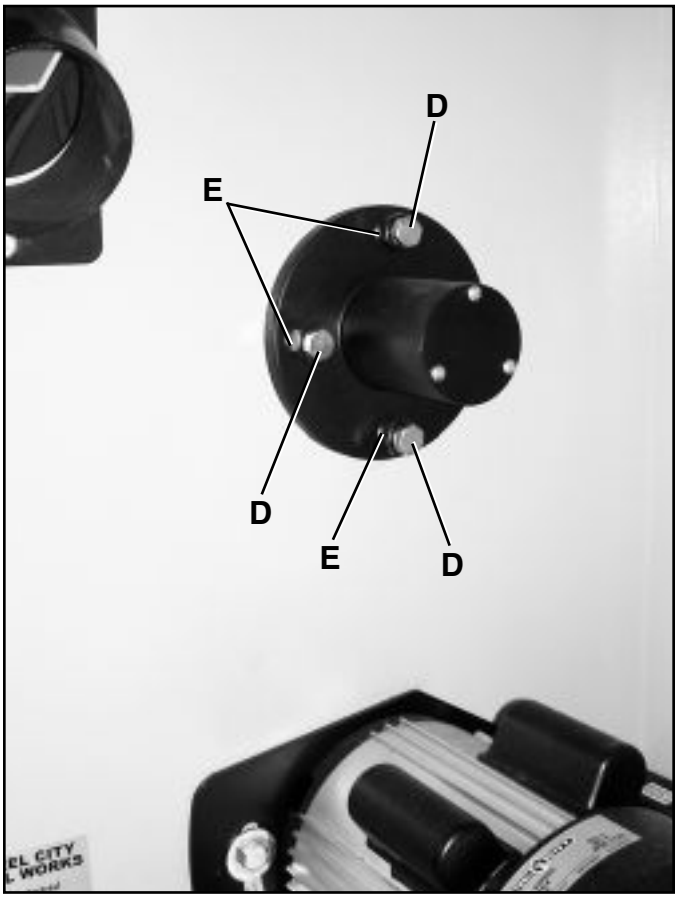
The upper and lower wheel assemblies allow for adjustment from side to side as well as top to bottom. In order for the blade to run on the center of both the upper and lower wheels, the wheels must be coplanar with each other. In other words, if you were to place a straight edge against the outer edges of both the upper and lower wheels, they would be evenly aligned. Of course, due to the design of a bandsaw, it is impossible to place a straight edge on both the upper and lower wheels at the same time. One simple way around this is to use equal size blocks of wood to offset the straight edge.

Fig. 13A



1. Using two blocks of wood of equal size, preferably about 4" thick, clamp one block on the outer edge of both the upper and lower wheel.
2. Place the straight edge along the blocks of wood. The upper and/or lower wheel assemblies will now be adjusted until the wheels are in line with each other.
3. To adjust the upper wheel assembly, loosen the six 6mm Socket Head Cap Screws ,opposite the upper wheel, on the outside of the cabinet.
4. Adjust the cast iron bracket (A) inside the saw using the six 4mm set screws, three of which are shown at (B). Use these adjusting set screws until the upper wheel assembly is coplanar (evenly aligned) with the lower wheel assembly. **SEE FIG. 13A**.
5. If the wheels are now coplanar, retighten the six 6mm socket head cap screws, otherwise proceed to step 6.
6. To adjust the lower wheel assembly, loosen the four chrome plated bolts (D) and adjust the black threaded inserts (E) located beneath them until the desired alignment is achieved. **SEE FIG. 13B.**

Fig. 13B



7. Once proper alignment is achieved, retighten any loose bolts and recheck the blade tracking. If the blade does not track properly, repeat the steps in the BLADE TRACKING section of this manual.

ADJUSTING TABLE POSITIVE STOPS

⚠ CAUTION

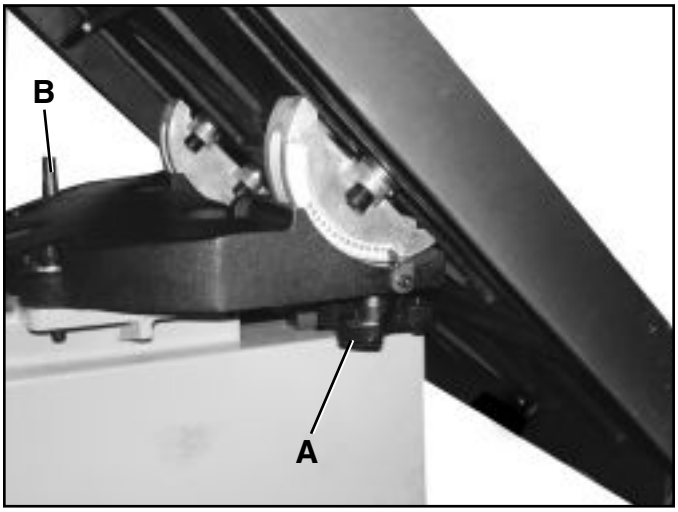
Do not attempt to set the positive stops until you have checked and/or adjusted both the blade tension and blade tracking. Refer to SETTING BLADE TENSION and BLADE TRACKING in the ADJUSTMENTS section of this manual.

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

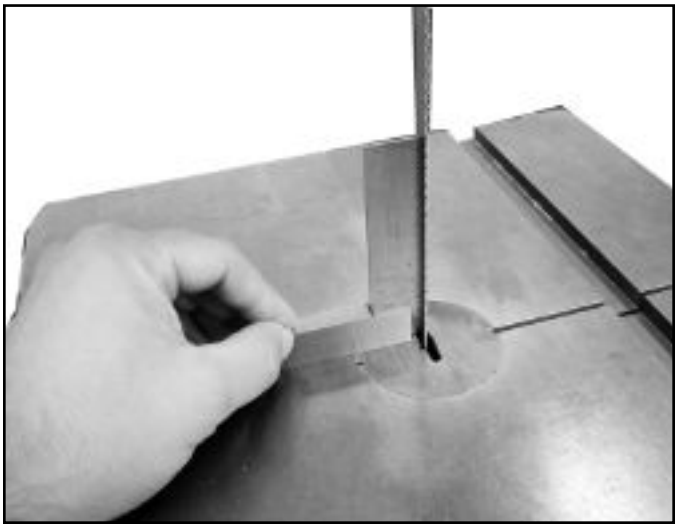
1. Loosen both locking knobs (A), and let the table rest against the 90 degree stop (B). **SEE FIG 14.**

Fig. 14



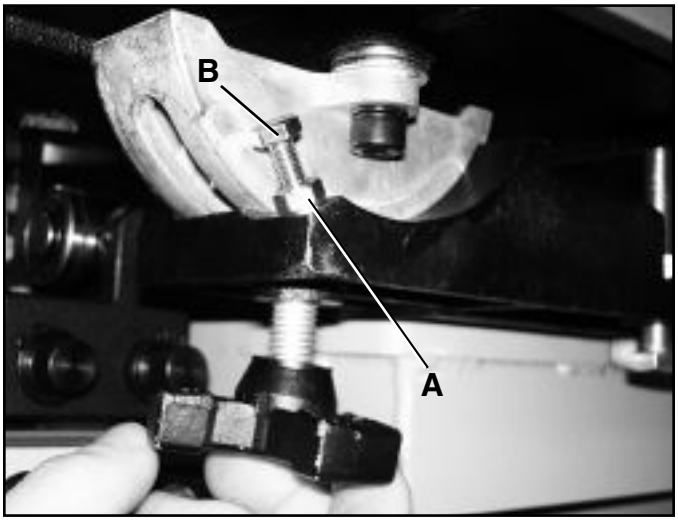
2. Place a square on the table top and up against the blade. **SEE FIG 15.**

Fig. 15



3. If an adjustment is necessary, tilt the table until it is square to the blade and tighten the lock knobs.
4. Adjust the 90 degree stop until it contacts the underside of the table. Adjust the pointer on the bevel scale to read 0, if necessary.
5. After the 90 degree stop is set, you can move on to setting the 45 degree stop. Loosen the lock knobs and tilt the table until the pointer lines up at the 45 degree mark.
6. The 45 degree positive stop (B) should contact the table at this point. **SEE FIG 16.**

Fig. 16



7. If an adjustment is necessary, loosen locknut (A) and adjust stop until it contacts the table when the scale reads 45 degrees.
8. Once the stop is set, retighten the locknut.

UPPER BEARING ADJUSTMENT

The upper and lower guide bearings are mounted to a Guide block on eccentric shafts that, when rotated, position the guide bearings closer to or further away from the sides of the blade. The guide bearings should be spaced about .003 from the blade. The guide bearings should **NOT** contact the blade when the blade is running and the machine is not cutting. If an adjustment is necessary

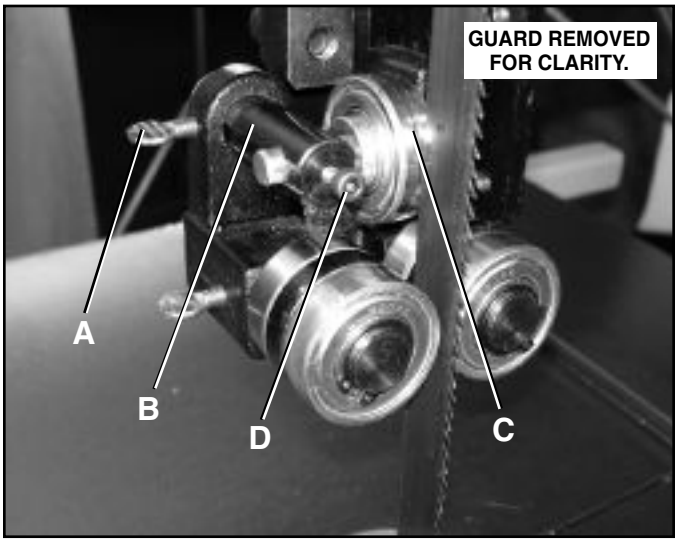
NOTICE: Make certain that you have followed all of the steps in the SETTING BLADE TENSION section in the ADJUSTMENTS section of this manual prior to starting this section.

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

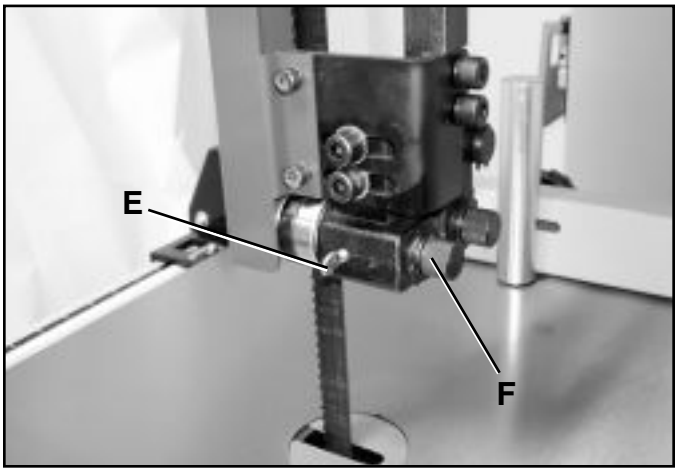
1. Loosen thumbscrew (A) and slide shaft (B) until thrust bearing (C) is within .003 of the saw blade. This is about the thickness of a dollar bill. **SEE FIG. 17.**

Fig. 17



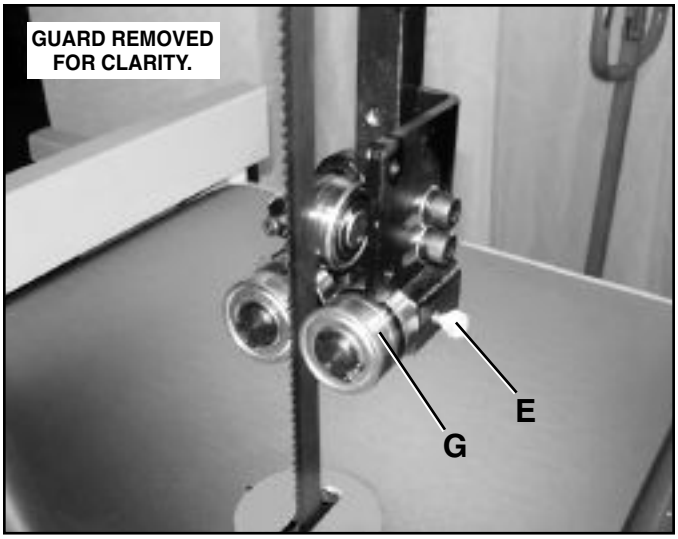
2. Make certain the thrust bearing is centered behind the blade. If an adjustment is necessary, loosen set screw (D)
3. Reposition thrust bearing until it is centered behind the blade, then retighten set screw loosened in the previous step.
4. Once the thrust bearing is set, the guide bearings can now be adjusted. Loosen thumb screw (E) and turn eccentric knob (F) until the guide bearing (G) is within 1/32" of the blade. **SEE FIGS. 18 and 19.**

Fig. 18



5. Repeat step 4 for the guide bearing on the other side of the blade.
6. Retighten all thumb screws.

Fig. 19

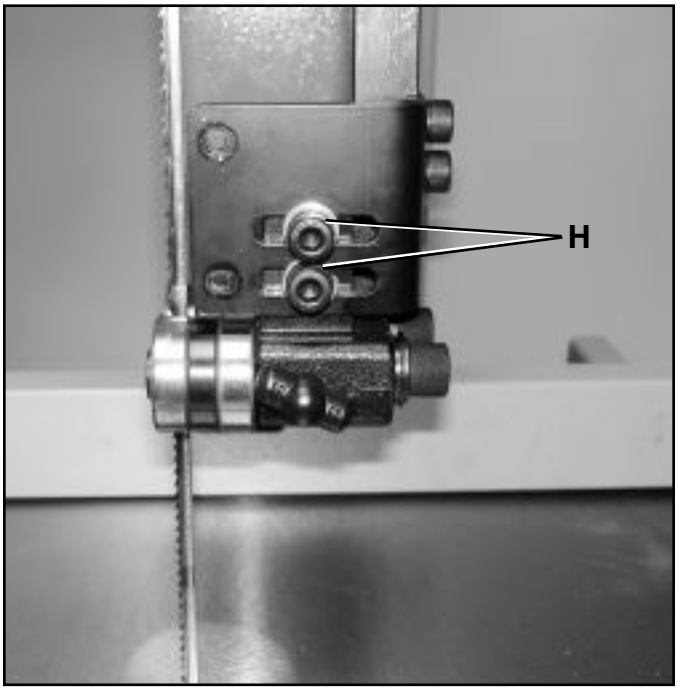


7. After making all of the above adjustments, Check to see if any of the following conditions exist:
   - A The guide bearings contact the blade
   - B. The guide bearings are not centered across the width of the blade
   - C. The guide bearings extend past the kerf of the saw blade
   - D. The thrust bearing contacts the blade.

If any of the above conditions exist, an adjustment to the Upper Guide Block Assembly will be necessary. Proceed to step 8 for instructions on adjusting the Upper Guide Block Assembly.

8. To adjust the Upper Guide Block Assembly, loosen the two 6mm socket head cap screws (H). **SEE FIG. 19A.**

Fig. 19A



9. The Upper Guide Block Assembly is slotted to accommodate almost any needed adjustment. Reposition the Upper Guide Block Assembly to correct whatever problem you encountered in step 7.
10. Retighten the two socket head cap screws (H) loosened in step 8.
11. Using the handwheel on the front of the bandsaw, move the guide rack up and down its full length of travel, checking to make sure that the guide bearings are not touching the sides of the blade and the thrust bearing does not come into contact with the rear of the blade. If neither of these two problems occur, no adjustment will be necessary. Skip the next section and proceed to the LOWER BEARING ADJUSTMENT section. Otherwise proceed to ADJUSTING GUIDE RACK TRAVEL.

ADJUSTING GUIDE RACK TRAVEL

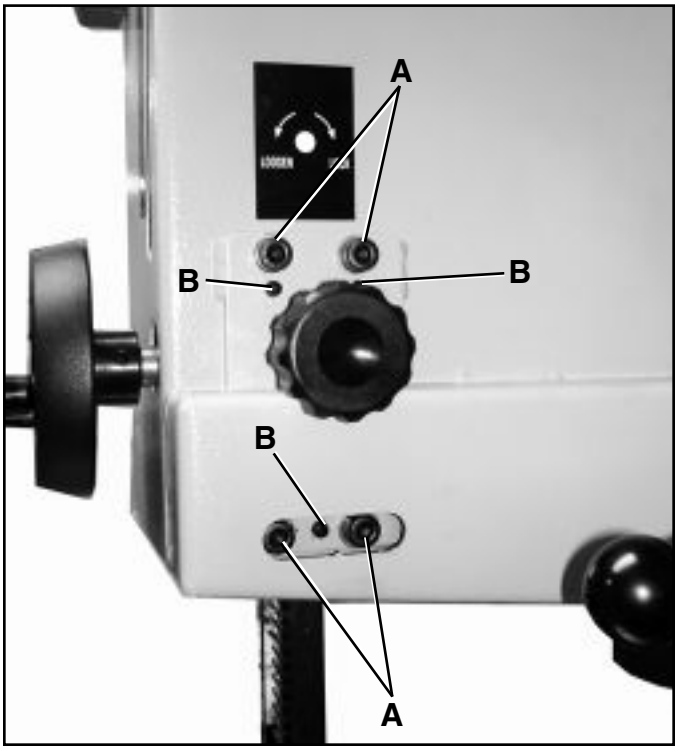
This adjustment allows movement of the entire Guide Rack and block assembly. This section should **ONLY** be attempted after completing all of the steps in the UPPER BEARING ADJUSTMENT section of this manual.

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Loosen the four 6mm socket head cap screws (A) that fasten the guide assembly to the frame of the bandsaw. **SEE FIG 19B.**

Fig. 19B



2. Adjust the three set screws (B) in or out, to move the entire guide rack forward, backward, left, or right.
3. Once the correct positioning of the guide rack is obtained, retighten the four socket head cap screws loosened in Step 1.
4. Using the handwheel, run the guide rack up and down its full length. Make sure that the blade does not contact the guide bearings or the thrust bearing. If it does, repeat steps 1-3 until the problem is fixed.

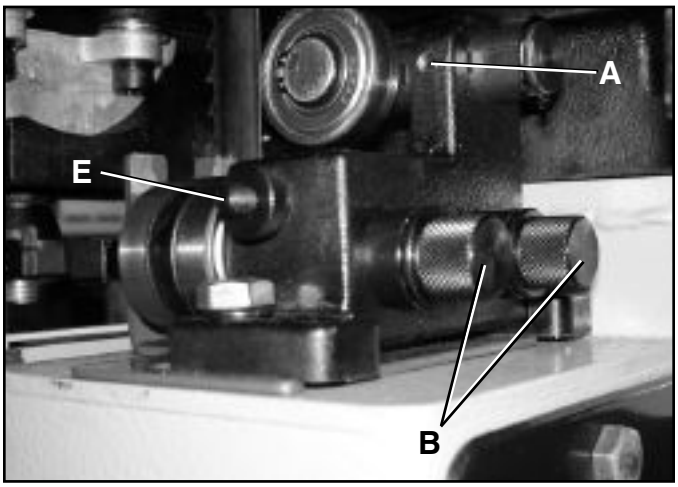
LOWER BEARING ADJUSTMENT

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

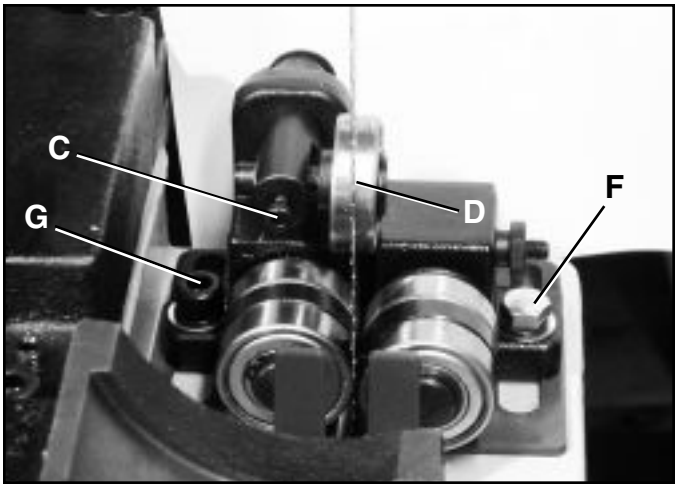
1. Loosen set screw (A) and slide thrust bearing until it is within .003" of the blade. This is about the thickness of a dollar bill. Retighten set screw. **SEE FIG 20.**

Fig. 20



2. Make certain that saw blade is centered on the thrust bearing. If an adjustment is necessary, loosen set screw (C) and reposition bearing (D) until it is centered with the saw blade. Fig. 21 provides a good view of this as the table top is removed for clarity. **SEE FIG 21.**

Fig. 21



3. Retighten set screw (C) loosened in step 2.
4. Once the thrust bearing is set, you can now adjust the guide bearings. To adjust, loosen the thumbwheel (E) and, using a dollar bill as a spacer, adjust the eccentric knobs (B) until the bearings are within .003 of the blade on either side. **SEE FIG. 20, page 25.**
5. Once positioning is set, retighten thumbwheels.
6. After making all of the above adjustments, Check to see if any of the following conditions exist
   A. The guide bearings contact the blade
   B. The guide bearings are not centered across the width of the blade
   C. The guide bearings extend past the kerf of the saw blade
   D. The thrust bearing contacts the blade.

If any of the above conditions exist, an adjustment to the Lower Guide Block Assembly will be necessary. Proceed to step 7 for instructions on adjusting the Lower Guide Block Assembly.

7. Loosen the hex head bolt (F) and socket head cap screw (G). **SEE FIG 21, page 25**.
8. Reposition the Guide Block Assembly to correct whatever problem you encountered in Step 6.
9. Retighten hex head bolt (F) and socket head cap screw (G).

BELT TENSION

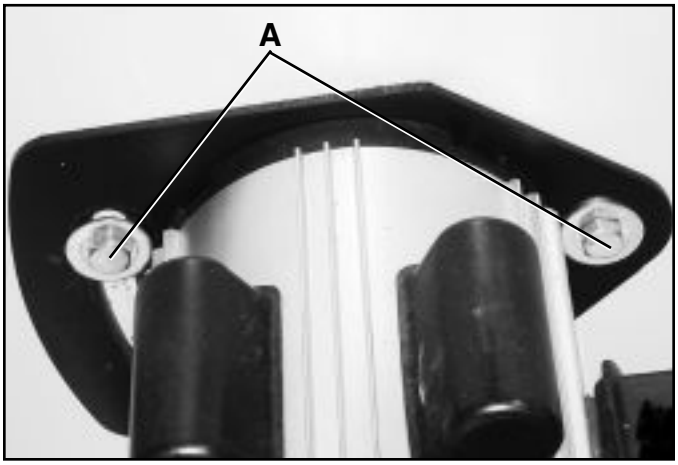
Belt tension is adjusted at the factory and should not require adjustment on initial set up, however, belt tension should be checked periodically and especially when replacing V-belts. Proper belt tension is achieved when there is approximately 1" deflection in the belt when squeezed at iits midpoint.

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Loosen the two hex head bolts (A) that fasten the motor to the outside of the band saw. **SEE FIG. 21A.**

Fig. 21A



2. Using moderate pressure, press down on the motor until all slack is removed from the V-belt.
3. Retighten the two screws loosened in step 1.

TABLE TRUNNION ADJUSTMENT

The table is set at 90 degrees to the blade at the factory and should not require further adjustment. If the table is not set at 90 degrees to the blade, an adjustment to the trunnions below the table can be made.

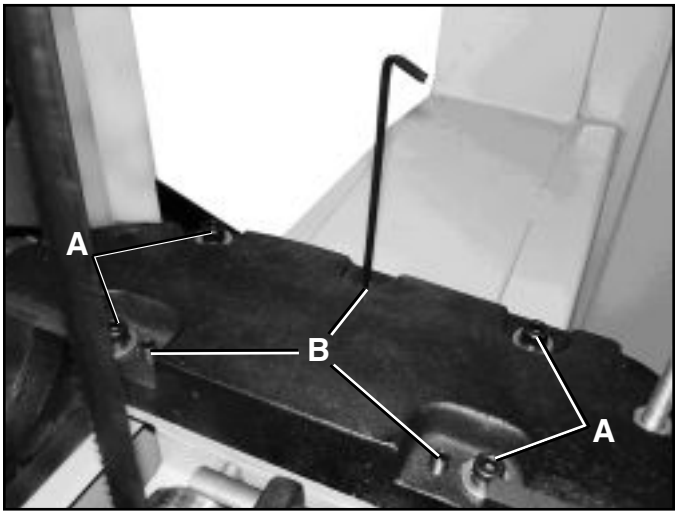
⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

NOTICE: The picture shows the tabletop removed for clarity. You should not remove the table when performing this operation.

1. Tilt the table to 45 degrees.
2. With the table tilted, you will have access to the four 6mm socket head cap screws(A) that fasten the trunnion to the frame. Loosen all four of these socket head cap screws. **SEE FIG 22.**

Fig. 22



3. Adjust the three 4mm hex head set screws(B) until the blade is 90 degrees to the table on all sides. Reposition the table to 90 degrees and confirm this using your square.
4. Once you have confirmed that the table is set at 90 degrees to the blade on all sides, retighten the four socket head cap screws loosened in step 2.
5. Recheck your positive stops. If an adjustment is necessary, refer to ADJUSTING TABLE POSITIVE STOPS in the ADJUSTMENTS section of this manual.

PULLEY ALIGNMENT

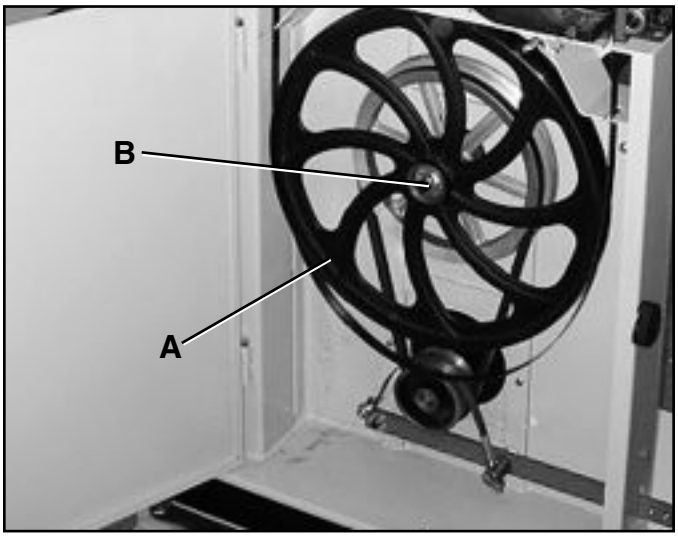
Pulley Alignment is set at the factory and should not require further adjustment. You should inspect the alignment periodically. To align pulleys:

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Release blade tension using the Blade Tension Quick Release Lever.
2. Remove lower wheel (A) by removing the hex screw (B) in the center of the wheel. **SEE FIG 22A**.
3. Place a straight edge flush up against the wheel pulley and the motor pulley.
4. If an adjustment is necessary, loosen the set screws on the motor pulley and slide the motor pulley in or out until the motor pulley and wheel pulley are aligned.
5. Retighten set screws on the motor pulley, replace wheel and reseat the blade on the lower wheel.

Fig. 22A



BLADE DRIFT

Blade drift occurs when the blade begins to wander off the cutting line even when the fence is being used. It can be caused by several factors including:

- Fence not parallel to the miter slot and to the blade
- Incorrect blade tension
- Wrong blade type
- Dull blade

If you experience blade drift, check the appropriate adjustments first. If this does not correct the problem the blade will have to be replaced. See BLADE REPLACEMENT in the MAINTANENCE section of this manual for more information.

CHANGING MOTOR VOLTAGE

This section ONLY applies to Model No 50200 (16"). Models 50250 (18") and 50300 (20") are dedicated 230V motors. DO NOT attempt to change the voltage on either of these two models.

The motor supplied with the Model 50200 16" bandsaw is a dual voltage 115/230V motor. The motor comes prewired from the factory for 115 volt operation. To change to 230 volt operation, in addition to the following steps, you will have to replace the existing 115V plug supplied with the saw , with a UL/CSA listed plug (not included) suitable for 230 volts and the rated current of the motor. The saw should only then be connected to an outlet having the same configuration as the plug. No adapter is available or should be used with the 230V plug.

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

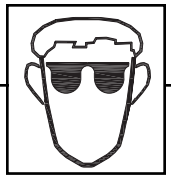
1. Verify on the motor tag that it is a dual voltage motor.
2. If it is indeed dual voltage, remove the cover from the motor and follow the wiring diagram on the inside of the cover for 230V operation.
3. Replace motor cover.
4. The ON/OFF switch does not need to be modified.

OPERATIONS

⚠ WARNING

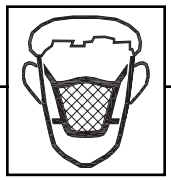
MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

⚠ WARNING



ALWAYS wear eye protection. Any machine can throw debris into the eyes during operations, which could cause severe and permanent eye damage. Everyday eyeglasses are **NOT** safety glasses. **ALWAYS** wear Safety Goggles (that comply with ANSI standard Z87.1) when operating power tools.

⚠ WARNING



ALWAYS wear a NIOSH/OSHA approved dust mask to prevent inhaling dangerous dust or airborne particles.

NOTICE

The following section was designed to give instructions on the basic operations of this band saw. However, it is in no way comprehensive of every band saw application. It is strongly recommended that you read books, trade magazines, or get formal training to maximize the potential of your band saw and to minimize the risks.

PRE RUN CHECK

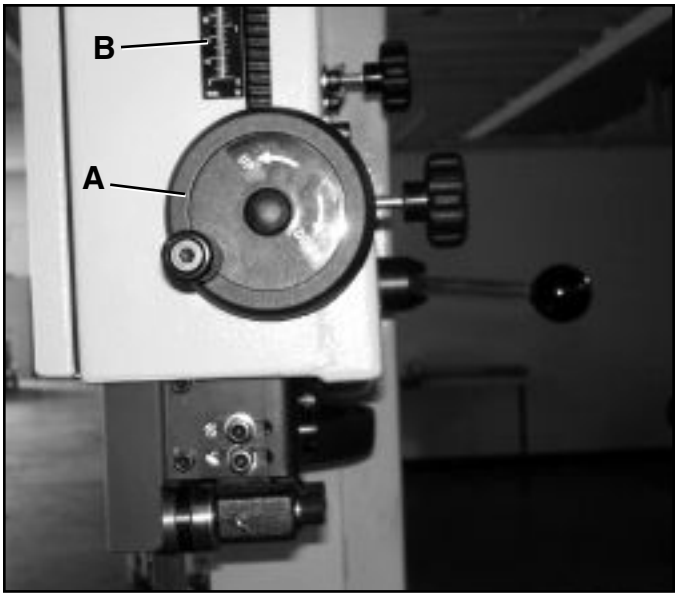
Before you begin using your new band saw, you should give it a thorough inspection and ask yourself the following questions

1. Are the blade bearings properly adjusted?
2. Is the blade tension and blade tracking properly set?
3. Is the fence aligned parallel to both the table and the blade?
4. Is the unit stable, does it rock or wobble?
5. Have you read all the warnings associated with this saw?

BLADE GUARD HEIGHT

The blade guard height is set by turning the raising / lowering handwheel (A) located on the front of the bandsaw. Turning the handwheel counterclockwise raises it, while turning the wheel clockwise lowers the blade guard. The ideal height is for the guide bearings to set about 1/8" above the workpiece. Use the depth scale (B) to show what the height of the blade guard is. **SEE FIG 23.**

Fig. 23

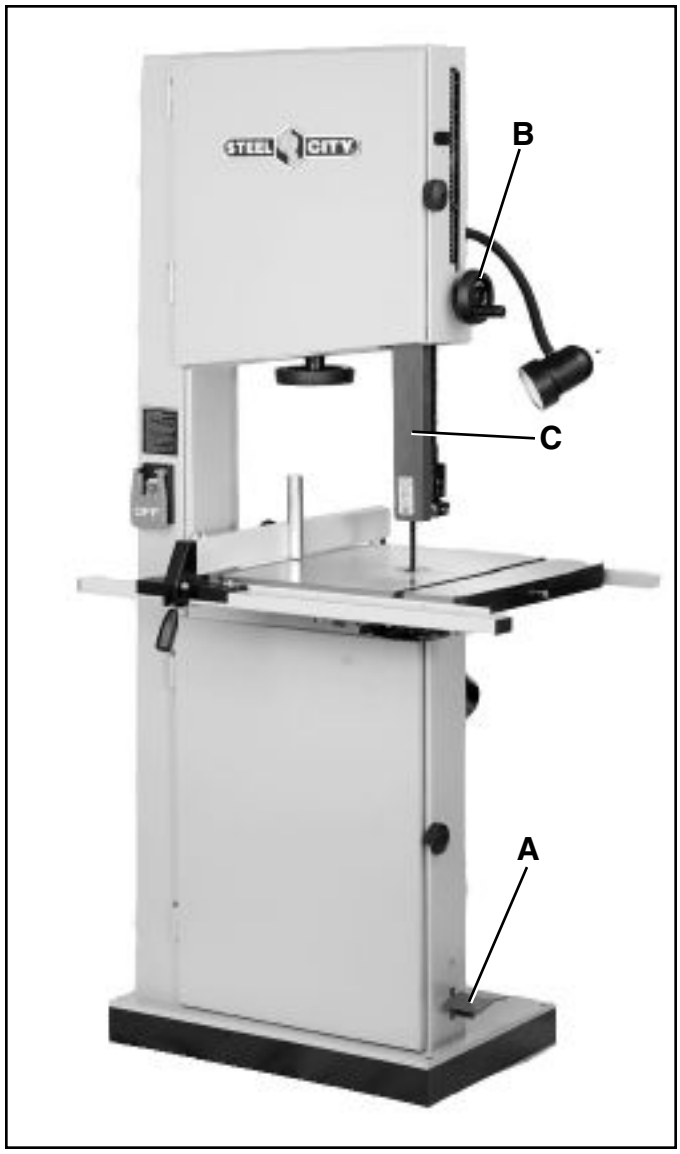


FOOT BRAKE

Model 50200 (16”) does not come with a foot brake. Owners of this model can skip this section.

The foot brake (A) located near the base of the bandsaw is designed to produce a quicker stop to the blade. To operate: **SEE FIG 24.**

Fig. 24



1. Turn machine OFF
2. Using your foot, apply moderate pressure to the foot brake until the blade comes to a complete stop.

⚠ WARNING

DO not attempt to use the footbrake while the machine is ON.

BASIC OPERATING PROCEDURE

1. **MAKE CERTAIN** that you have made all the proper adjustments to the bandsaw prior to operation
2. Using the Adjusting Handwheel (B), adjust the blade guard assembly (C) so that guide bearings are about 1/8” higher than the workpiece. **SEE FIG 24.**
3. If you are using the fence, move it into the proper position and lock down the handle. If you are using a miter gauge (not included), make sure that you have the fence moved out of the way.
4. Turn the band saw ON.
5. Using either the fence as a guide (for ripping) or the miter gauge (for crosscutting), push the workpiece slowly into the blade.
6. Use roller stands, work tables, sawhorses, or a helper to help stabilize the workpiece when dealing with long pieces of stock.

BLADE SELECTION

Using the proper saw blade for the job you are performing will optimize the efficiency of your bandsaw and increase the quality of your work. There are some basic questions that apply when determining which type of blade to use.

- What type of material is to be cut?
- How thick is the workpiece?
- What features does the workpiece contain, i.e. bends, curves, etc.?

These questions will help you with determining which type of blade to use. The type of blade is determined by 5 features. They are:

1. Blade width
2. Pitch
3. Tooth shape
4. Set
5. Blade material

BLADE WIDTH

Blades for the band saw are available in different standard widths. This width is measured from the rear of the blade to the tip of the tooth. In general, a wider blade is used for ripping and generally straight line cuts. The narrower blades are mainly used for cutting a workpiece with curves and bends.

PITCH

The unit of measure for pitch is the number of teeth per inch of blade. A fine pitch, meaning having more teeth per inch, will deliver a smoother cut, but will take a longer time to complete the cut. A coarse pitch, meaning having fewer teeth per inch, will cut much faster, but leave a rougher finish. A good rule of thumb is the thicker the workpiece, the coarser the pitch should be.

TOOTH SHAPE

Tooth shapes come in several basic types. Three of them are hook, skip, and variable. Skip and hook types are used to help obtain a higher feed rate when cutting thick workpieces, while variable combines the features of two types of blades.

SET

The term “set” refers to the angle at which the saw teeth are bent or positioned. Set patterns are selected depending on the type of material being cut.

BLADE MATERIAL

Band saw blades can be made from different types of materials. Some common materials are carbon steel, spring steel, and high speed steel.

MAINTENANCE

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

GENERAL CLEANUP

- Keep the bearing guides clean and free of buildup of pitch, resin, etc.
- Remove any deposits from the wheels to help avoid vibration and premature blade breakage
- The table is an unfinished metal surface that, over time, will accumulate rust if not properly cared for. When the bandsaw is not in use, keep a light coat of WD-40 on the table top as this will help prevent rust from occurring. If rust has already accumulated, use WD-40 and a fine steel wool to get rid of the rust. Using a quality paste wax on the table surface is also a good form of preventative maintenance to help keep rust from forming.
- Keep the inside of bandsaw clear of sawdust. Occasionally vacuum out the inside of the unit or blow out the inside of the unit with an air hose.
- Clean and grease the raising/lowering mechanism if the unit becomes difficult to move

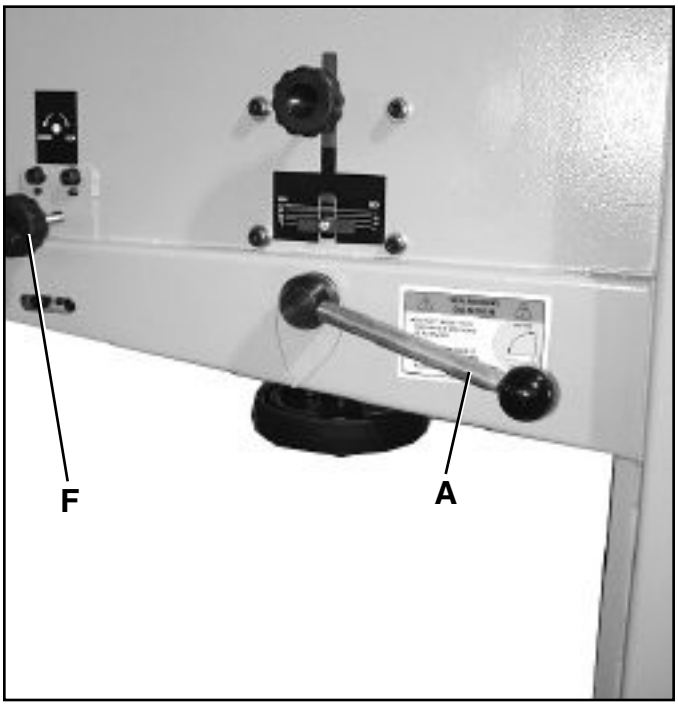
INSTALLING / CHANGING BLADES

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

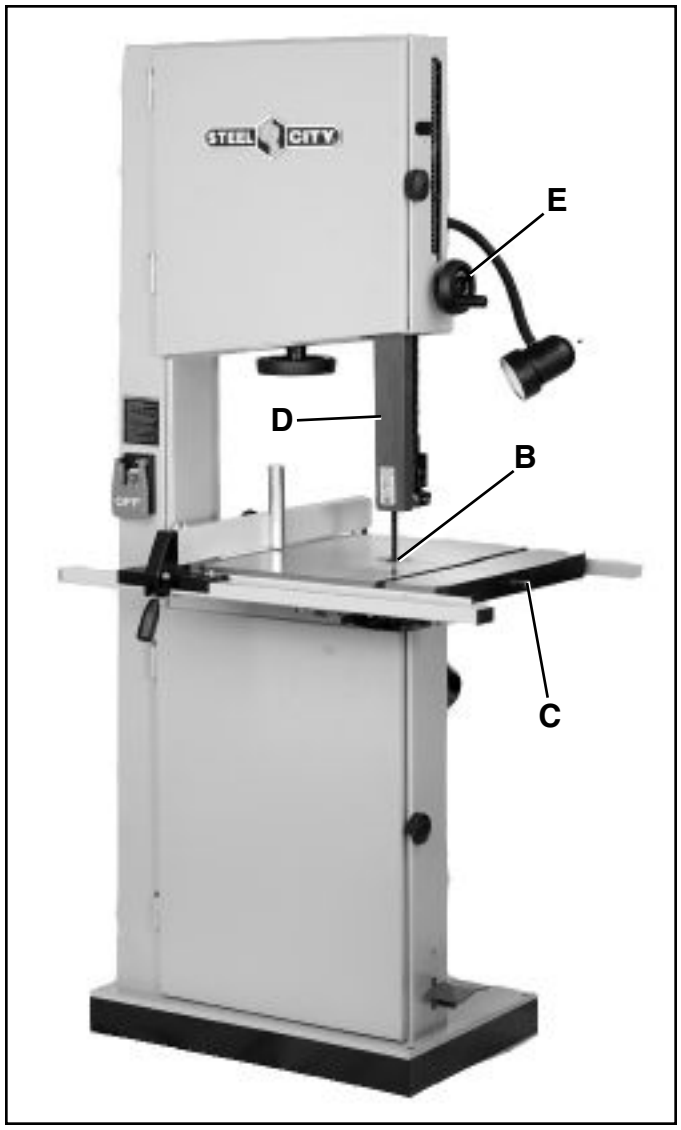
1. Loosen the blade tension using the blade tension quick release handle (A). **SEE FIG 25.**

Flg. 25



2. Remove the table insert (B) and tapered pin (C). **SEE FIG 26.**

Flg. 26



3. Lower the blade guard assembly (D) by loosening the knob (F) and rotating the handwheel (E). **SEE FIGS. 25 and 26.**
4. Open both the upper and lower doors of the bandsaw.
5. Carefully remove the blade from between the upper and lower guides and remove the blade from both of the wheels and slide the blade through the slot in the table to remove the old blade.
6. Guide the new blade through the table slot and place into the blade guides and onto the center of the upper and lower wheels.

NOTICE: The blade teeth **MUST** point downward and towards the front of the saw.

7. Replace the tapered pin and table insert.

⚠ WARNING

Before operating the band saw, **MAKE CERTAIN** to check **ALL** of the following:

- Setting Blade Tension
- Blade Tracking
- Upper and Lower Bearing Adjustments

These sections are all located in the ADJUSTMENTS section of this manual.

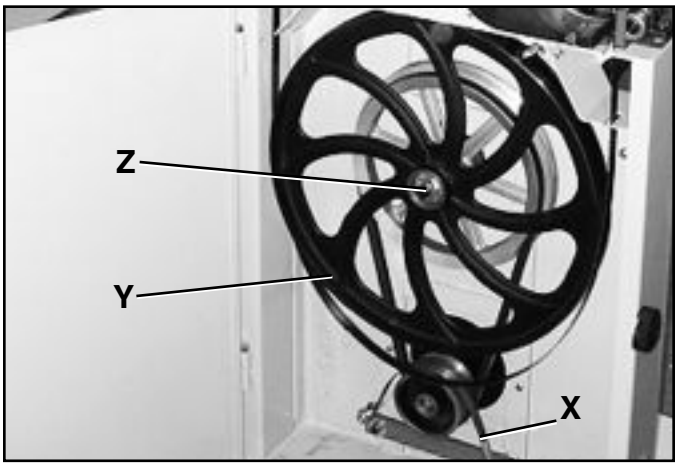
REPLACING V-BELT

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Release the blade tension using the blade tension quick release handle (A). **SEE FIG 25, page 27.**
2. Release the belt tension by loosening the two hex bolts that fasten the motor to the base of the band saw.
3. Raise the motor and place a block of wood under it to help keep tension off the belt.
4. Open the lower door, remove hex nut (Z) and then remove wheel (Y). **SEE FIG 27.**

Flg. 27



5. Remove brake strap (X) (18” and 20” Models only).
6. Remove the old belt and install the new belt.
7. Reinstall the lower wheel and hex nut removed in step 4. Tighten securely.

8 Remove wood block from underneath motor.

9. Press down lightly on the motor to apply tension to the belt and retighten bolts loosened in step 2.
10. Retension the blade.

⚠ WARNING

Before operating bandsaw, make sure to go back to the ADJUSTMENTS section of this manual and redo the following sections:

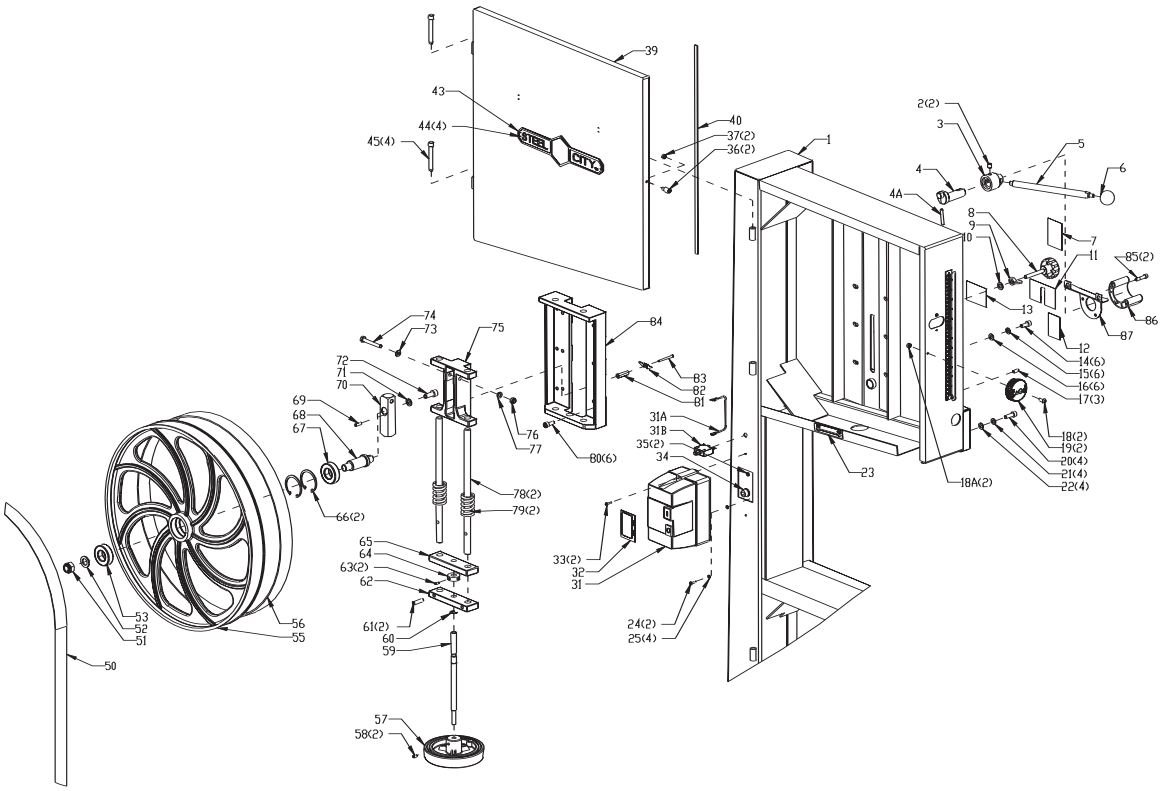
- Setting Blade Tension
- Blade Tracking
- Upper and Lower Bearing Adjustments

TROUBLESHOOTING GUIDE

This section covers the most common processing problems encountered in sawing and what to do about them. Do not make any adjustments until the band saw is unplugged and moving parts have come to a complete stop.

PROBLEM	LIKELY CAUSE(S)	SOLUTION
Saw stops or will not start.	1. Saw unplugged. 2. Fuse blown, or circuit breaker tripped. 3. Cord damaged. 4. Magnetic starter is tripped (20” Model only).	1. Check plug connections. 2. Replace fuse, or reset circuit breaker. 3. Replace cord. 4. Reset starter.
Does not make accurate 45° or 90° cuts.	1. Stop not adjusted correctly. 2. Angle pointer not set accurately. 3. Miter gauge out of adjustment.	1. Check blade with square and adjust stop. 2. Check blade with square and adjust pointer. 3. Adjust miter gauge.
Blade wanders during cut.	1. Fence not aligned with blade. 2. Warped wood. 3. Excessive feed rate. 4. Incorrect blade for cut. 5. Blade tension not set properly. 6. Guide bearings not set properly.	1. Check and adjust fence. 2. Select another piece of wood. 3. Reduce feed rate. 4. Change blade to correct type. 5. Set blade tension according to blade manufacturer’s specs. 6. Review guide bearing adjustment.
Saw makes unsatisfactory cuts.	1. Dull blade. 2. Blade mounted wrong. 3. Gum or pitch on blade. 4. Incorrect blade for cut. 5. Gum or pitch on table.	1. Replace blade. 2. Teeth should point down. 3. Remove blade and clean. 4. Change blade to correct type. 5. Clean table.
Blade does not come up to speed.	1. Extension cord too light or too long. 2. Low shop voltage.	1. Replace with adequate size and length cord. 2. Contact your local electric company.
Saw vibrates excessively.	1. Base on uneven floor. 2. Bad v-belt. 3. Motor mount is loose. 4. Loose hardware.	1. Reposition on flat, level surface. 2. Replace v-belt. 3. Tighten motor mount hardware. 4. Tighten hardware.

◆ NOTES ◆



MODEL 50200 (16”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	OR71789	Saw Body Frame	1
2	OR93378	M8 X 10 mm Hex Soc Set Screw	1
3	OR71700	Handle Bushing	1
4	OR71701	Adjusting Pin	1
4A	OR94894	M6 X 40mm SPRING PIN	1
5	OR71702	Handle Rod	1
6	OR71703	Lock Knob	1
7	OR71704	Label	1
8	OR71705	Knob	1
9	OR94206	M8 Wing Nut	1
10	OR94207	M8 Flat Washer	1
11	OR71706	Label, Blade Width	1
12	OR71708	Label	1
13	OR71709	Warning Label	1
14	OR93535	M8 x 25mm Hex Soc Hd Screw	6
15	OR90248	M8 Lock Washer	6
16	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	6
17	OR90306	M6 X 12mm Hex Soc Set Screw	3
18	OR93936	M6 X 25MM HEX SOCKET HEAD SCREW	2
18A	OR90235	M6 Hex Nut	2
19	OR71710	Knob	2
20	OR93535	M8 x 25mm Hex Soc Hd Screw	4
21	OR90248	M8 Lock Washer	4
22	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	4
23	OR71711	Label	1
24	OR91775	M4 x 15mm Round Hd Screw	2
25	OR90431	M4 External Tooth Lock Washer	4
30	N/A	Switch Assy.	-
31	OR71714	Switch	1
31A	OR73665	LEAD WIRE	1
31B	OR73666	12 AMP CIRCUIT BREAKER	1
32	N/A	Label, Switch	-
33	OR94209	M4 x 15mm Round Hd Screw	2
34	OR94212	7N-2 Strain Relief Bushing	1
35	OR90078	M4 Hex Hut	2
36	OR71717	Special Screw	2
37	OR90235	M6 Hex Nut	2
38	OR71718	Upper Door Assy.Inc. Ref. 39,40,41,42,43,44	1
39	OR71721	Upper Front Door	1
40	OR71722	Sponge Pad	1
43	OR70484	Nameplate	1
44	OR93823	2 x 8 Rivet	4

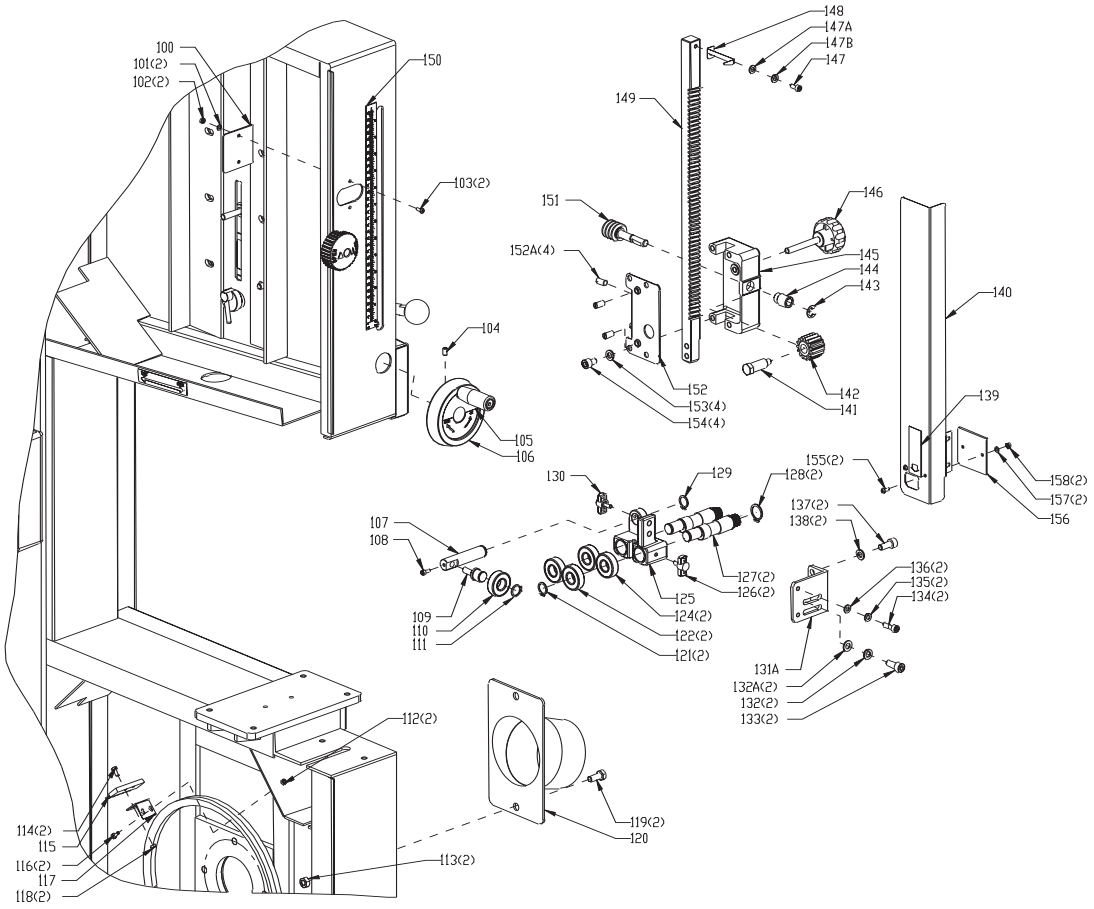
KEY NO.	PART NO.	DESCRIPTION	QTY.
45	OR71729	Door Hinge Pin	4
50	OR71730	Blade (See Accessories)	1
51	OR90500	M16 L.H. Hex Nut	1
52	OR94882	M16 Washer (O.D.. 30mm X 2mm thick)	1
53	OR90218	6203ZZ Ball Bearing	1
54	OR71733	Upper Wheel Assy. Inc. Ref. 55,56.	1
55	OR71734	Upper Wheel	1
56	OR71735	Tire	1
57	OR93378	M8 x 10mm Hex Soc Set Screw	2
58	OR71742	Hand Wheel	1
59	OR71743	Blade Adjusting Screw	1
60	OR94216	ETW-9 E-Ring	1
61	OR93914	M8 x 30mm HEX SOC SET SCREW	2
62	OR71746	Block	1
63	OR90222	M6 x 10mm Hex Soc Set Screw	2
64	OR71747	Spacer	1
65	OR71748	Slide Block	1
66	OR94219	RTW-40 Retaining Ring	2
67	OR90218	6203ZZ Ball Bearing	1
68	OR71749	Upper Wheel Shaft	1
69	OR94221	M6 x 18mm Pin	1
70	OR71751	Shaft Bracket	1
71	OR90227	M10 Lock Washer	1
72	OR93932	M10 x 25mm Hex Soc Hd Screw	1
73	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	1
74	OR94222	M8 x 60mm Hex Hd Screw	1
75	OR71752	Bracket	1
76	OR92724	M8 Lock Nut	1
77	OR90248	M8 Lock Washer	1
78	OR71753	Support Rod	2
79	OR71754	Spring	2
80	OR93380	M8 x 15mm Hex Soc Set Screw	6
81	OR71755	Spacer	1
82	OR71756	Pointer	1
83	OR94900	M5 x 45mm Round Hd Screw	1
84	OR71757	Support	1
85A	OR74188	TENSION BRACKET ASSEMBLY (INCLUDES KEY NO’S. 85, 86, 87)	
85	OR94888	M6 x 30mm Hex socket head screws	2
86	OR73661	FIXED BLOCK	1
87	OR73662	FIXED PLATE ASSEMBLY	1

MODEL 50250 (18”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	OR71795	Saw Body Frame	1
2	OR93378	M8 X 10 mm Hex Soc Set Screw	1
3	OR71700	Handle Bushing	1
4	OR71701	Adjusting Pin	1
4A	OR94894	M6 X 40mm SPRING PIN	1
5	OR71702	Handle Rod	1
6	OR71703	Lock Knob	1
7	OR71704	Label	1
8	OR71705	Knob	1
9	OR94206	M8 Wing Nut	1
10	OR94207	M8 Flat Washer	1
11	OR71707	Label, Blade Width	1
12	OR71708	Label	1
13	OR71709	Warning Label	1
14	OR93535	M8 x 25mm Hex Soc Hd Screw	6
15	OR90248	M8 Lock Washer	6
16	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	6
17	OR90306	M6 X 12mm Hex Soc Set Screw	3
18	OR93936	M6 X 25MM HEX SOCKET HEAD SCREW	2
18A	OR90235	M6 Hex Nut	2
19	OR71710	Knob	2
20	OR93535	M8 x 25mm Hex Soc Hd Screw	4
21	OR90248	M8 Lock Washer	4
22	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	4
23	OR71711	Label	1
24	OR91775	M4 x 15mm Round Hd Screw	2
25	OR90431	M4 External Tooth Lock Washer	4
30	N/A	Switch Assy.	-
31	OR73660	SWITCH	1
31A	OR73665	LEAD WIRE	1
31B	OR73666	12 AMP CIRCUIT BREAKER	1
32	N/A	Label, Switch	X
33	OR94209	M4 x 15mm Round Hd Screw	2
34	OR94212	7N-2 Strain Relief Bushing	1
35	OR90078	M4 Hex Hut	2
36	OR71717	Special Screw	2
37	OR90235	M6 Hex Nut	2
38	OR71719	Upper Door Assy.Inc. Ref. 39,40,41,42,43,44	X
39	OR71724	Upper Front Door	1
40	OR71725	Sponge Pad	1
43	OR70484	Nameplate	1
44	OR93823	2 x 8 Rivet	4
45	OR71729	Door Hinge Pin	4
50	OR71731	Blade (See Accessories)	1
51	OR90500	M16 L.H. Hex Nut	1
52	OR94882	M16 Washer (O.D.. 30mm X 2mm thick)	1
53	OR90218	6203ZZ Ball Bearing	1
54	OR71736	Upper Wheel Assy. Inc. Ref. 55,56.	X
55	OR71737	Upper Wheel	1
56	OR71738	Tire	1
57	OR93378	M8 x 10mm Hex Soc Set Screw	2
58	OR71742	Hand Wheel	1
59	OR71744	Blade Adjusting Screw	1
60	OR94217	ETW-10 E-Ring	1
61	OR93914	M8 x 30mm HEX SOC SET SCREW	2
62	OR71746	Block	1
63	OR90222	M6 x 10mm Hex Soc Set Screw	2
64	OR71747	Spacer	1
65	OR71748	Slide Block	1
66	OR94219	RTW-40 Retaining Ring	2
67	OR90218	6203ZZ Ball Bearing	1
68	OR71749	Upper Wheel Shaft	1
69	OR94221	M6 x 18mm Pin	1
70	OR71751	Shaft Bracket	1
71	OR90227	M10 Lock Washer	1
72	OR93932	M10 x 25mm Hex Soc Hd Screw	1
73	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	2
74	OR94222	M8 x 60mm Hex Hd Screw	1
75	OR71752	Bracket	1
76	OR92724	M8 Lock Nut	1
77	OR90248	M8 Lock Washer	1
78	OR71753	Support Rod	2
79	OR71754	Spring	2
80	OR93380	M8 x 15mm Hex Soc Set Screw	6
81	OR71755	Spacer	1
82	OR71756	Pointer	1
83	OR94900	M5 x 45mm Round Hd Screw	1
84	OR71757	Support	1
85A	OR74188	Tension Bracket Assy, (includes Nos. 85, 86. 87)	
85	OR94888	M6 X 30MM HEX SOCKET HEAD SCREW	2
86	OR73661	FIXED BLOCK	1
87	OR73662	FIXED PLATE ASSEMBLY	1

MODEL 50300 (20”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	OR71801	Saw Body Frame	1
2	OR93378	M8 X 10 mm Hex Soc Set Screw	1
3	OR71700	Handle Bushing	1
4	OR71701	Adjusting Pin	1
4A	OR94894	M6 X 40mm SPRING PIN	1
5	OR71702	Handle Rod	1
6	OR71703	Lock Knob	1
7	OR71704	Label	1
8	OR71705	Knob	1
9	OR94206	M8 Wing Nut	1
10	OR94207	M8 Flat Washer	1
11	OR71707	Label, Blade Width	1
12	OR71708	Label	1
13	OR71709	Warning Label	1
14	OR93535	M8 x 25mm Hex Soc Hd Screw	6
15	OR90248	M8 Lock Washer	6
16	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	6
17	OR90306	M6 X 12mm Hex Soc Set Screw	3
18	OR93936	M6 X 25MM HEX SOCKET HEAD SCREW	2
18A	OR90235	M6 Hex Nut	2
19	OR71710	Knob	2
20	OR93535	M8 x 25mm Hex Soc Hd Screw	4
21	OR90248	M8 Lock Washer	4
22	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	4
23	OR71711	Label	1
24	N/A	M4 x 15mm Round Hd Screw	X
25	N/A	M4 External Tooth Lock Washer	X
30	OR71713	Switch Assy. Inc. Ref. 31,32	1
31	OR71715	Magnetic Switch	X
31A	N/A	LEAD WIRE	X
31B	N/A	12 AMP CIRCUIT BREAKER	X
32	OR71716	Label, Switch	1
33	OR94211	M4 X 65mm Round Head Screw	2
34	OR94212	7N-2 Strain Relief Bushing	1
35	N/A	M4 Hex Hut	X
36	OR71717	Special Screw	2
37	OR90235	M6 Hex Nut	2
38	OR71720	Upper Door Assy.Inc. Ref. 39,40,41,42,43,44	X
39	OR71727	Upper Front Door	1
40	OR71726	Sponge Pad	1
43	OR70484	Nameplate	1
44	OR93823	2 x 8 Rivet	4
45	OR71729	Door Hinge Pin	4
50	OR71732	Blade (See Accessories)	1
51	OR90500	M16 L.H. Hex Nut	1
52	OR94882	M16 Washer (O.D.. 30mm X 2mm thick)	1
53	OR93544	6205ZZ Ball Bearing	1
54	OR71739	Upper Wheel Assy. Inc. Ref. 55,56.	X
55	OR71740	Upper Wheel	1
56	OR71741	Tire	1
57	OR93378	M8 x 10mm Hex Soc Set Screw	2
58	OR71742	Hand Wheel	1
59	OR71745	Blade Adjusting Screw	1
60	OR94216	ETW-9 E-Ring	1
61	OR93914	M8 x 30mm HEX SOC SET SCREW	2
62	OR71746	Block	1
63	OR90222	M6 x 10mm Hex Soc Set Screw	2
64	OR71747	Spacer	1
65	OR71748	Slide Block	1
66	OR94220	RTW-52 Retaining Ring	2
67	OR93544	6205ZZ Ball Bearing	1
68	OR71750	Upper Wheel Shaft	1
69	OR94221	M6 x 18mm Pin	1
70	OR71751	Shaft Bracket	1
71	OR90227	M10 Lock Washer	1
72	OR93932	M10 x 25mm Hex Soc Hd Screw	1
73	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	2
74	OR94222	M8 x 60mm Hex Hd Screw	1
75	OR71752	Bracket	1
76	OR92724	M8 Lock Nut	1
77	OR90248	M8 Lock Washer	1
78	OR71753	Support Rod	2
79	OR71754	Spring	2
80	OR93380	M8 x 15mm Hex Soc Set Screw	6
81	OR71755	Spacer	1
82	OR71756	Pointer	1
83	OR94900	M5 x 45mm Round Hd Screw	1
84	OR71757	Support	1
85A	OR74188	Tension Bracket Assy, (includes Nos. 85, 86. 87)	
85	OR94888	M6 X 30MM HEX SOCKET HEAD SCREW	2
86	OR73661	FIXED BLOCK	1
87	OR73662	FIXED PLATE ASSEMBLY	1



MODEL 50200 (16”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
100	OR71758	View Cover	1
101	OR90079	M4 Flat Washer	2
102	OR90078	M4 Hex Nut	2
103	OR91774	M4 x 10mm Round Hd Screw	2
104	OR90222	M6 x 10mm Hex Soc Set Screw	1
105	OR71759	Handle Label	1
106	OR71760	Hand Wheel	1
107	OR71761	Slide Pin	1
108	OR94224	M4 x 10mm Hex Soc Head Screw	1
109	OR71762	Shaft	1
110	OR94021	6202ZZ Ball Bearing	1
111	OR94225	STW-15 C-Ring	1
112	OR90078	M4 Hex Nut	2
113	OR90307	M8Hex Nut	2
114	OR90078	M4 Hex Nut	2
115	OR71763	Brush	1
116	OR71764	Brush Bracket	1
117	OR94883	M4 X 15mm HEX HEAD SCREW	2
118	OR94883	M4 X 15mm HEX HEAD SCREW	2
119	OR93917	M8 x 20mm Hex Hd Screw	2
120	OR71765	Dust Chute	1
121	OR94225	STW-15 C-Ring	2
122	OR94021	6202ZZ Ball Bearing	2
123	N/A	Collar	
124	OR94021	6202ZZ Ball Bearing	2
125	OR71767	Blade Slide Clamp	1
126	OR94885	M5 x 12mm KNOB ASSEMBLY	2
127	OR71768	Shaft	2
128	OR94227	STW-20 C-Ring	2
129	OR94225	STW-15 C-Ring	1
130	OR94885	M5 x 12mm KNOB ASSEMBLY	1
131	OR71770	Slide Plate	1
132	OR90248	M8 Lock Washer	2

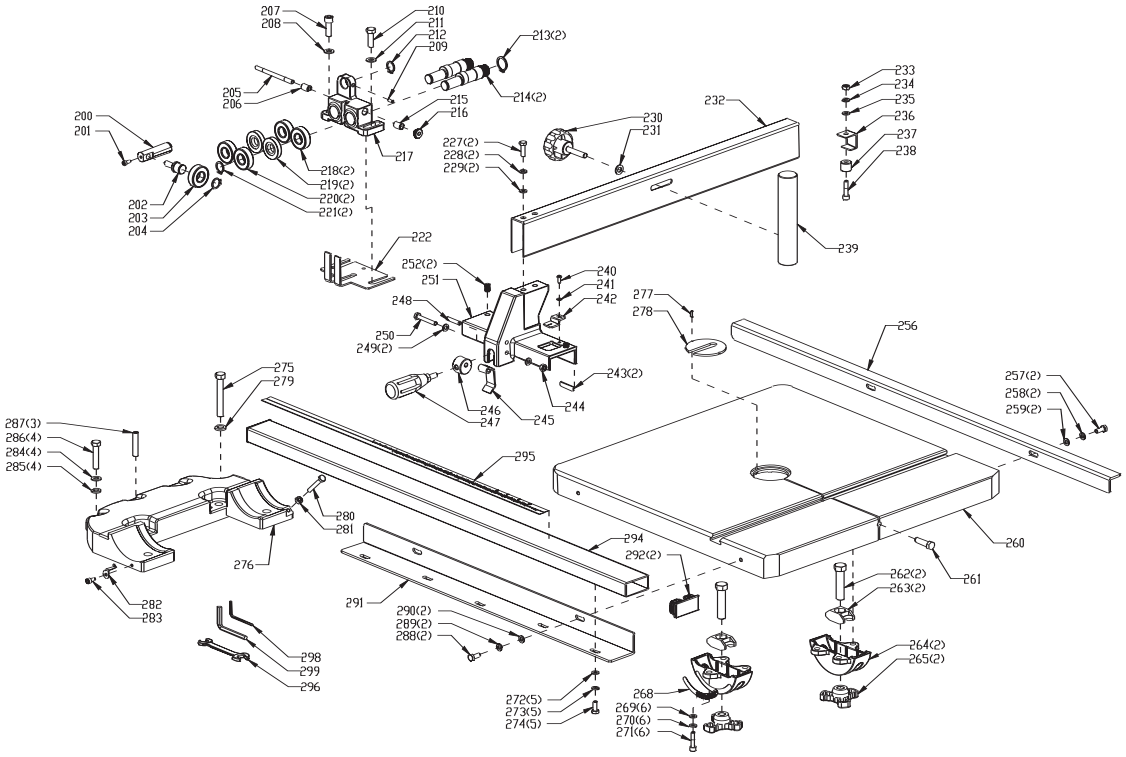
KEY NO.	PART NO.	DESCRIPTION	QTY.
132A	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	2
133	OR93381	M8 x 20mm Hex Soc Hd Screw	2
134	OR93371	M6 x 10MM HEX SOC HD SCREW	2
135	OR90502	M6 Lock Washer	2
136	OR90059	M6 Flat Washer	2
137	OR93381	M8 x 20mm Hex Soc Hd Screw	2
138	OR90248	M8 Lock Washer	2
139	OR71771	Warning Label, Blade Guard	1
140	OR71772	Blade Guard	1
141	OR71773	Shaft	1
142	OR71774	Gear	1
143	OR94228	STW-10 C-Ring	1
144	OR71775	Bushing	1
145	OR71776	Guide Bar Bracket	1
146	OR94886	M8 x 60mm Lock Knob	1
147	OR90877	M5 x 12mm Hex Soc Hd Screw	1
147A	OR90462	M5 FLAT WASHER	1
147B	OR90145	M5 LOCK WASHER	1
148	OR71777	Pointer	1
149	OR71778	Guide Bar	1
150	OR71780	Cutting Height Scale	1
151	OR71782	Worm	1
152	OR71783	Gear Plate	1
152A	OR94887	M8 X 15mm NYLON SET SCREW	4
153	OR90248	M8 Lock Washer	4
154	OR90272	HEX SOCKET HEAD SCREW M8 x 12mm	4
155A	OR74186	Blade Guard Assembly (Includes Key Nos. 139, 140, 155, 156, 157	
155	OR95106	M4 x 8mm Round Head Screw	2
156	OR74107	Sight Window	1
157	OR90079	M4 Flat Washer	2
158	OR95107	M4 Crown Nut	2

MODEL 50250 (18”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
100	OR71758	View Cover	1
101	OR90079	M4 Flat Washer	2
102	OR90078	M4 Hex Nut	2
103	OR91774	M4 x 10mm Round Hd Screw	2
104	OR90222	M6 x 10mm Hex Soc Set Screw	1
105	OR71759	Handle Label	1
106	OR71760	Hand Wheel	1
107	OR71761	Slide Pin	1
108	OR94224	M4 x 10mm Hex Soc Head Screw	1
109	OR71762	Shaft	1
110	OR94021	6202ZZ Ball Bearing	1
111	OR94225	STW-15 C-Ring	1
112	OR90078	M4 Hex Nut	2
113	OR90307	M8Hex Nut	2
114	OR90078	M4 Hex Nut	2
115	OR71763	Brush	1
116	OR71764	Brush Bracket	1
117	OR94883	M4 X 15mm HEX HEAD SCREW	2
118	OR94883	M4 X 15mm HEX HEAD SCREW	2
119	OR93917	M8 x 20mm Hex Hd Screw	2
120	OR71765	Dust Chute	1
121	OR94225	STW-15 C-Ring	2
122	OR94021	6202ZZ Ball Bearing	2
123	OR71766	Collar	2
124	OR94021	6202ZZ Ball Bearing	2
125	OR71767	Blade Slide Clamp	1
126	OR94885	M5 x 12mm KNOB ASSEMBLY	2
127	OR71769	Shaft	2
128	OR94227	STW-20 C-Ring	2
129	OR94225	STW-15 C-Ring	1
130	OR94885	M5 x 12mm KNOB ASSEMBLY	1
131	OR71770	Slide Plate	1
132	OR90248	M8 Lock Washer	2
132A	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	2
133	OR93381	M8 x 20mm Hex Soc Hd Screw	2
134	OR93371	M6 x 10MM HEX SOC HD SCREW	2
135	OR90502	M6 Lock Washer	2
136	OR90059	M6 Flat Washer	2
137	OR93381	M8 x 20mm Hex Soc Hd Screw	2
138	OR90248	M8 Lock Washer	2
139	OR71771	Warning Label, Blade Guard	1
140	OR71772	Blade Guard	1
141	OR71773	Shaft	1
142	OR71774	Gear	1
143	OR94228	STW-10 C-Ring	1
144	OR71775	Bushing	1
145	OR71776	Guide Bar Bracket	1
146	OR94886	M8 x 60mm Lock Knob	1
147	OR90877	M5 x 12mm Hex Soc Hd Screw	1
147A	OR90462	M5 FLAT WASHER	1
147B	OR90145	M5 LOCK WASHER	1
148	OR71777	Pointer	1
149	OR71779	Guide Bar	1
150	OR71781	Cutting Height Scale	1
151	OR71782	Worm	1
152	OR71783	Gear Plate	1
152A	OR94887	M8 X 15mm NYLON SET SCREW	4
153	OR90248	M8 Lock Washer	4
154	OR90272	HEX SOCKET HEAD SCREW M8 x 12mm	4
155A	OR74186	Blade Guard Assembly (Includes Key Nos. 139, 140, 155, 156, 157	
155	OR95106	M4 x 8mm Round Head Screw	2
156	OR74107	Sight Window	1
157	OR90079	M4 Flat Washer	2
158	OR95107	M4 Crown Nut	2

MODEL 50300 (20”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
100	OR71758	View Cover	1
101	OR90079	M4 Flat Washer	2
102	OR90078	M4 Hex Nut	2
103	OR91774	M4 x 10mm Round Hd Screw	2
104	OR90222	M6 x 10mm Hex Soc Set Screw	1
105	OR71759	Handle Label	1
106	OR71760	Hand Wheel	1
107	OR71761	Slide Pin	1
108	OR94224	M4 x 10mm Hex Soc Head Screw	1
109	OR71762	Shaft	1
110	OR94021	6202ZZ Ball Bearing	1
111	OR94225	STW-15 C-Ring	1
112	OR90078	M4 Hex Nut	2
113	OR90307	M8Hex Nut	2
114	OR90078	M4 Hex Nut	2
115	OR71763	Brush	1
116	OR71764	Brush Bracket	1
117	OR94883	M4 X 15mm HEX HEAD SCREW	2
118	OR94883	M4 X 15mm HEX HEAD SCREW	2
119	OR93917	M8 x 20mm Hex Hd Screw	2
120	OR71765	Dust Chute	1
121	OR94225	STW-15 C-Ring	2
122	OR94021	6202ZZ Ball Bearing	2
123	OR71766	Collar	2
124	OR94021	6202ZZ Ball Bearing	2
125	OR71767	Blade Slide Clamp	1
126	OR94885	M5 x 12mm KNOB ASSEMBLY	2
127	OR71769	Shaft	2
128	OR94227	STW-20 C-Ring	2
129	OR94225	STW-15 C-Ring	1
130	OR94885	M5 x 12mm KNOB ASSEMBLY	1
131	OR71770	Slide Plate	1
132	OR90248	M8 Lock Washer	2
132A	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	2
133	OR93381	M8 x 20mm Hex Soc Hd Screw	2
134	OR93371	M6 x 10MM HEX SOC HD SCREW	2
135	OR90502	M6 Lock Washer	2
136	OR90059	M6 Flat Washer	2
137	OR93381	M8 x 20mm Hex Soc Hd Screw	2
138	OR90248	M8 Lock Washer	2
139	OR71771	Warning Label, Blade Guard	1
140	OR71772	Blade Guard	1
141	OR71773	Shaft	1
142	OR71774	Gear	1
143	OR94228	STW-10 C-Ring	1
144	OR71775	Bushing	1
145	OR71776	Guide Bar Bracket	1
146	OR94886	M8 x 60mm Lock Knob	1
147	OR90877	M5 x 12mm Hex Soc Hd Screw	1
147A	OR90462	M5 FLAT WASHER	1
147B	OR90145	M5 LOCK WASHER	1
148	OR71777	Pointer	1
149	OR71779	Guide Bar	1
150	OR71781	Cutting Height Scale	1
151	OR71782	Worm	1
152	OR71783	Gear Plate	1
152A	OR94887	M8 X 15mm NYLON SET SCREW	4
153	OR90248	M8 Lock Washer	4
154	OR90272	HEX SOCKET HEAD SCREW M8 x 12mm	4
155A	OR74186	Blade Guard Assembly (Includes Key Nos. 139, 140, 155, 156, 157	
155	OR95106	M4 x 8mm Round Head Screw	2
156	OR74107	Sight Window	1
157	OR90079	M4 Flat Washer	2
158	OR95107	M4 Crown Nut	2



MODEL 50200 (16”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
200	OR72478	Slide Pin	1
201	OR94224	M4 x 10mm Hex Soc Hd Screw	1
202	OR71762	Shaft	1
203	OR94021	6202ZZ Ball Bearing	1
204	OR94225	STW-15 C-Ring	1
205	OR72480	Lock Screw	1
206	OR72481	Lock Bushing, Left	1
207	OR93535	M8 x 25mm Hex Soc Hd Screw	1
208	OR90248	M8 Lock Washer	1
209	OR92193	M6 x 6mm Hex Soc Set Screw	1
210	OR91752	M8 x 25mm Hex Hd Screw	1
211	OR90248	M8 Lock Washer	1
212	OR94225	STW-15 C-Ring	1
213	OR94227	STW-20 C-Ring	2
214	OR74190	Shaft	2
215	OR72484	Lock Bushing, Right	1
216	OR72485	Lock Collar	1
217	OR72486	Bearing Housing, Lower	1
218	OR94021	6202ZZ Ball Bearing	2
219	N/A	Collar	X
220	OR94021	6202ZZ Ball Bearing	2
221	OR94225	STW-15 C-Ring	2
222	OR72487	Lower Blade Guard	1
226	OR72488	Fence Assy. Inc. Ref. 227,228,229,230,231,232, 233,234,235,236,237,238,239,240,241,242,243, 244,245,246,247,248,249,250,251,252.	-
227	OR91752	M8 X 25mm HEX HD SCR	2
228	OR90248	M8 Lock Washer	2
229	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	2
230	OR72490	Lock Knob	1
231	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	1
232	OR72491	Fence	1
233	OR90235	M6 Hex Nut	1
234	OR90502	M6 Lock Washer	1
235	OR90059	M6 Flat Washer	1
236	OR72493	Rear Hook	1
237	OR72494	Pad	1
238	OR93936	M6 x 25mm Hex Soc Hd Screw	1
239	OR72495	Resaw Post	1
240	OR91774	ROUND HEAD SCREW M4 x 10mm	1
241	OR94889	M4(O.D. 10mm X 1mm thick) External Tooth Lock Washer	1
242	OR72496	Pointer	1
243	OR72497	Slide Block	2
244	OR90133	M6 Lock Nut	1
245	OR72498	Clamp	1
246	OR72499	Cam	1
247	OR72500	Handle Assy	1

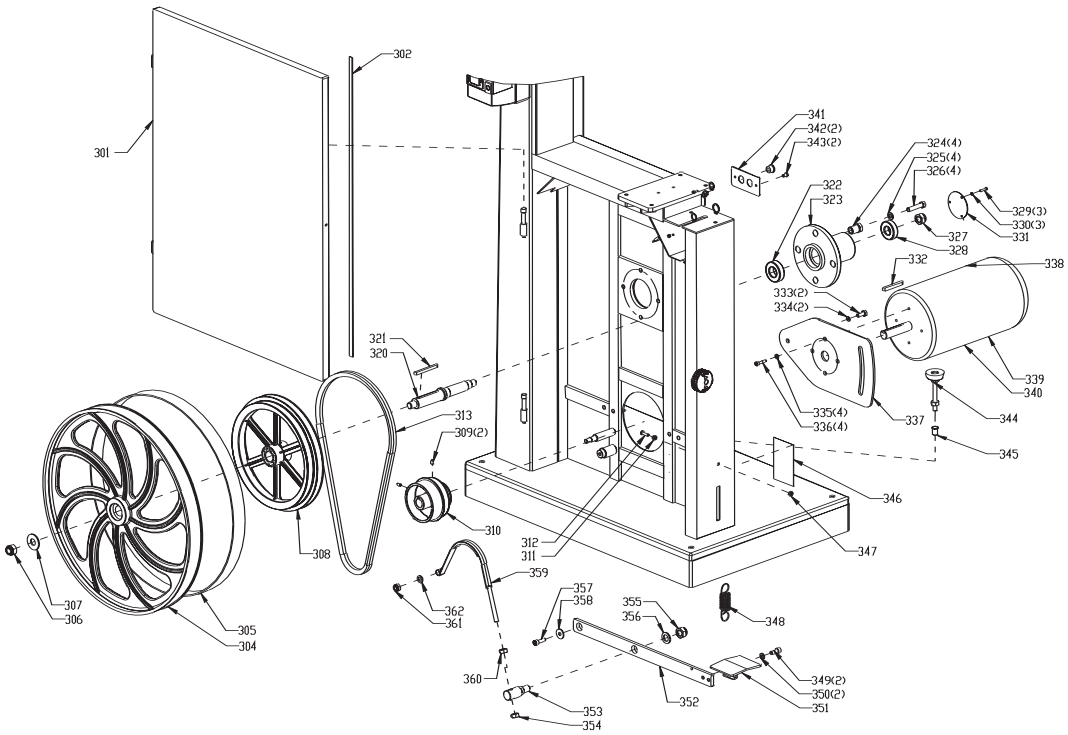
KEY NO.	PART NO.	DESCRIPTION	QTY.
248	OR93376	M6 x 30mm Spring Pin	1
249	OR94890	M6 Flat Washer(O.D. 16mm X 1.5mm thick)	2
250	OR92723	M6 x 40mm Hex Hd Screw	1
251	OR72501	Fence Body	1
252	OR94893	M8 x 12mm Nylon Set Screw	2
256	OR72502	Rear Rail	1
257	OR94236	M6 x 15mm Hex Hd Screw	2
258	OR90502	M6 Lock Washer	2
259	OR90059	M6 Flat Washer	2
260	OR72504	Table	1
261	OR72506	Table Pin	1
262	OR94237	M12 x 50mm Hex Hd Screw	2
263	OR72507	Trunnion Clamp Shoe	2
264	OR72508	Trunnion	2
265	OR72509	Knob	2
266	OR72510	Front Trunnion Assy. Inc. Ref. 267,268	-
268	OR72512	Angle Scale	1
269	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	6
270	OR90248	M8 Lock Washer	6
271	OR93535	M8 x 25mm Hex Soc Hd Screw	6
272	OR90059	M6 Flat Washer	5
273	OR90502	M6 Lock Washer	5
274	OR94236	M6 x 15mm Hex Hd Screw	5
275	OR94238	M10 x 65mm Hex Hd Screw	1
276	OR72513	Table Bracket	1
277	OR94239	3 x 10 Roll Pin	1
278	OR72515	Table Insert	1
279	OR90228	M10 Hex Nut	1
280	OR94891	M6 x 30mm Hex Hd Screw	1
281	OR90235	M6 Hex Nut	1
282	OR72516	Pointer	1
283	OR94224	M4 x 10mm Hex Soc Hd Screw	1
284	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	4
285	OR90248	M8 Lock Washer	4
286	OR92923	M8 x 40mm HEX SOC HD SCR	4
287	OR94218	M8 x 25mm Hex Soc Set Screw	3
288	OR94236	M6 x 15mm Hex Hd Screw	2
289	OR90502	M6 Lock Washer	2
290	OR90059	M6 Flat Washer	2
291	OR72517	Front Rail	1
292	OR72519	End Cover	2
293	OR72520	Front Rail Assy Inc. Ref. 294,295	-
294	OR72522	Guide Rail	1
295	OR72524	Scale	1
296	OR90050	10mm x 12mm Open Wrench	1
298	OR90290	3mm Hex Wrench	1
299	OR90806	6mm Hex Wrench	1

MODEL 50250 (18”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
200	OR74189	Slide Pin	1
201	OR94224	M4 x 10mm Hex Soc Hd Screw	1
202	OR71762	Shaft	1
203	OR94021	6202ZZ Ball Bearing	1
204	OR94225	STW-15 C-Ring	1
205	OR72480	Lock Screw	1
206	OR72481	Lock Bushing, Left	1
207	OR93535	M8 x 25mm Hex Soc Hd Screw	1
208	OR90248	M8 Lock Washer	1
209	OR92193	M6 x 6mm Hex Soc Set Screw	1
210	OR91752	M8 x 25mm Hex Hd Screw	1
211	OR90248	M8 Lock Washer	1
212	OR94225	STW-15 C-Ring	1
213	OR94227	STW-20 C-Ring	2
214	OR71768	Shaft	2
215	OR72484	Lock Bushing, Right	1
216	OR72485	Lock Collar	1
217	OR74191	Bearing Housing, Lower	1
218	OR94021	6202ZZ Ball Bearing	2
219	OR72534	Collar	2
220	OR94021	6202ZZ Ball Bearing	2
221	OR94225	STW-15 C-Ring	2
222	OR72487	Lower Blade Guard	1
226	OR72489	Fence Assy. Inc. Ref. 227,228,229,230,231,232, 233,234,235,236,237,238,239,240,241,242,243, 244,245,246,247,248,249,250,251,252.	-
227	OR91752	M8 X 25mm HEX HD SCR	2
228	OR90248	M8 Lock Washer	2
229	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	2
230	OR72490	Lock Knob	1
231	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	1
232	OR72492	Fence	1
233	OR90235	M6 Hex Nut	1
234	OR90502	M6 Lock Washer	1
235	OR90059	M6 Flat Washer	1
236	OR72493	Rear Hook	1
237	OR72494	Pad	1
238	OR93936	M6 x 25mm Hex Soc Hd Screw	1
239	OR72495	Resaw Post	1
240	OR91774	ROUND HEAD SCREW M4 x 10mm	1
241	OR94889	M4(O.D. 10mm X 1mm thick) External Tooth Lock Washer	1
242	OR72496	Pointer	1
243	OR72497	Slide Block	2
244	OR90133	M6 Lock Nut	1
245	OR72498	Clamp	1
246	OR72499	Cam	1
247	OR72500	Handle Assy	1
248	OR93376	M6 x 30mm Spring Pin	1
249	OR94890	M6 Flat Washer(O.D. 16mm X 1.5mm thick)	2
250	OR92723	M6 x 40mm Hex Hd Screw	1
251	OR72501	Fence Body	1
252	OR94893	M8 x 12mm Nylon Set Screw	2
256	OR72503	Rear Rail	1
257	OR94236	M6 x 15mm Hex Hd Screw	2
258	OR90502	M6 Lock Washer	2
259	OR90059	M6 Flat Washer	2
260	OR72505	Table	1
261	OR72506	Table Pin	1
262	OR94237	M12 x 50mm Hex Hd Screw	2
263	OR72507	Trunnion Clamp Shoe	2
264	OR72508	Trunnion	2
265	OR72509	Knob	2
266	OR72510	FrontTrunnion Assy. Inc. Ref. 267,268	-
268	OR72512	Angle Scale	1
269	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	6
270	OR90248	M8 Lock Washer	6
271	OR93535	M8 x 25mm Hex Soc Hd Screw	6
272	OR90059	M6 Flat Washer	5
273	OR90502	M6 Lock Washer	5
274	OR94236	M6 x 15mm Hex Hd Screw	5
275	OR94238	M10 x 65mm Hex Hd Screw	1
276	OR72514	Table Bracket	1
277	OR94239	3 x 10 Roll Pin	1
278	OR72515	Table Insert	1
279	OR90228	M10 Hex Nut	1
280	OR94891	M6 x 30mm Hex Hd Screw	1
281	OR90235	M6 Hex Nut	1
282	OR72516	Pointer	1
283	OR94224	M4 x 10mm Hex Soc Hd Screw	1
284	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	4
285	OR90248	M8 Lock Washer	4
286	OR92923	M8 x 40mm HEX SOC HD SCR	4
287	OR94218	M8 x 25mm Hex Soc Set Screw	3
288	OR94236	M6 x 15mm Hex Hd Screw	2
289	OR90502	M6 Lock Washer	2
290	OR90059	M6 Flat Washer	2
291	OR72518	Front Rail	1
292	OR72519	End Cover	2
293	OR72521	Front Rail Assy Inc. Ref. 294,295	-
294	OR72523	Guide Rail	1
295	OR72525	Scale	1
296	OR90050	10mm x 12mm Open Wrench	1
298	OR90290	3mm Hex Wrench	1
299	OR90806	6mm Hex Wrench	1

MODEL 50300 (20”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
200	OR74189	Slide Pin	1
201	OR94224	M4 x 10mm Hex Soc Hd Screw	1
202	OR71762	Shaft	1
203	OR94021	6202ZZ Ball Bearing	1
204	OR94225	STW-15 C-Ring	1
205	OR72480	Lock Screw	1
206	OR72481	Lock Bushing, Left	1
207	OR93535	M8 x 25mm Hex Soc Hd Screw	1
208	OR90248	M8 Lock Washer	1
209	OR92193	M6 x 6mm Hex Soc Set Screw	1
210	OR91752	M8 x 25mm Hex Hd Screw	1
211	OR90248	M8 Lock Washer	1
212	OR94225	STW-15 C-Ring	1
213	OR94227	STW-20 C-Ring	2
214	OR71768	Shaft	2
215	OR72484	Lock Bushing, Right	1
216	OR72485	Lock Collar	1
217	OR74191	Bearing Housing, Lower	1
218	OR94021	6202ZZ Ball Bearing	2
219	OR72534	Collar	2
220	OR94021	6202ZZ Ball Bearing	2
221	OR94225	STW-15 C-Ring	2
222	OR72487	Lower Blade Guard	1
226	OR72489	Fence Assy. Inc. Ref. 227,228,229,230,231,232,233,234, 235,236,237,238,239,240,241,242,243, 244,245,246,247,248,249,250,251,252	-
227	OR91752	M8 X 25mm HEX HD SCR	2
228	OR90248	M8 Lock Washer	2
229	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	2
230	OR72490	Lock Knob	1
231	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	1
232	OR72492	Fence	1
233	OR90235	M6 Hex Nut	1
234	OR90502	M6 Lock Washer	1
235	OR90059	M6 Flat Washer	1
236	OR72493	Rear Hook	1
237	OR72494	Pad	1
238	OR93936	M6 x 25mm Hex Soc Hd Screw	1
239	OR72495	Resaw Post	1
240	OR91774	ROUND HEAD SCREW M4 x 10mm	1
241	OR94889	M4(O.D. 10mm X 1mm thick) External Tooth Lock Washer	1
242	OR72496	Pointer	1
243	OR72497	Slide Block	2
244	OR90133	M6 Lock Nut	1
245	OR72498	Clamp	1
246	OR72499	Cam	1
247	OR72500	Handle Assy	1
248	OR93376	M6 x 30mm Spring Pin	1
249	OR94890	M6 Flat Washer(O.D. 16mm X 1.5mm thick)	2
250	OR92723	M6 x 40mm Hex Hd Screw	1
251	OR72501	Fence Body	1
252	OR94893	M8 x 12mm Nylon Set Screw	2
256	OR72503	Rear Rail	1
257	OR94236	M6 x 15mm Hex Hd Screw	2
258	OR90502	M6 Lock Washer	2
259	OR90059	M6 Flat Washer	2
260	OR72505	Table	1
261	OR72506	Table Pin	1
262	OR94237	M12 x 50mm Hex Hd Screw	2
263	OR72507	Trunnion Clamp Shoe	2
264	OR72508	Trunnion	2
265	OR72509	Knob	2
266	OR72510	Front Trunnion Assy. Inc. Ref. 267,268	-
268	OR72512	Angle Scale	1
269	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	6
270	OR90248	M8 Lock Washer	6
271	OR93535	M8 x 25mm Hex Soc Hd Screw	6
272	OR90059	M6 Flat Washer	5
273	OR90502	M6 Lock Washer	5
274	OR94236	M6 x 15mm Hex Hd Screw	5
275	OR94238	M10 x 65mm Hex Hd Screw	1
276	OR72514	Table Bracket	1
277	OR94239	3 x 10 Roll Pin	1
278	OR72515	Table Insert	1
279	OR90228	M10 Hex Nut	1
280	OR94891	M6 x 30mm Hex Hd Screw	1
281	OR90235	M6 Hex Nut	1
282	OR72516	Pointer	1
283	OR94224	M4 x 10mm Hex Soc Hd Screw	1
284	OR94881	M8 Flat Washer(O.D. 16mm x 1mm thick)	4
285	OR90248	M8 Lock Washer	4
286	OR92923	M8 x 40mm HEX SOC HD SCR	4
287	OR94218	M8 x 25mm Hex Soc Set Screw	3
288	OR94236	M6 x 15mm Hex Hd Screw	2
289	OR90502	M6 Lock Washer	2
290	OR90059	M6 Flat Washer	2
291	OR72518	Front Rail	1
292	OR72519	End Cover	2
293	OR72521	Front Rail Assy Inc. Ref. 294,295	-
294	OR72523	Guide Rail	1
295	OR72525	Scale	1
296	OR90050	10mm x 12mm Open Wrench	1
298	OR90290	3mm Hex Wrench	1
299	OR90806	6mm Hex Wrench	1



MODEL 50200 (16”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
300	OR71784	Lower Door Assy. Inc. Ref. 301, 302	-
301	OR71785	Lower Front Door	1
302	OR71786	Sponge Pad	1
303	OR71787	Lower Wheel Assy. Inc. Ref. 304,305	-
304	OR71788	Lower Wheel	1
305	OR71735	Tire	1
306	OR90500	M16 L.H. Hex Nut	1
307	OR71802	Flat Washer	1
308	OR71803	Spindle Pulley	1
309	OR93380	M8x 15mm Hex Soc Set Screw	2
310	OR71805	Motor Pulley	1
311	N/A	M6 Hex Nut	X
312	N/A	M6 x 25mm Pan Hd Screw	X
313	OR71807	V-Belt	1
319	OR71810	Lower Wheel Support Assy. Inc. Ref. 320,321,322,323,324,325,326,327,328,329,330,331	-
320	OR72451	Shaft Lower	1
321	OR94899	7x7x70mm Key (Rad Both Ends)	1
322	OR93544	6205ZZ Ball Bearing	1
323	OR72453	Bearing Base	1
324	OR72454	Adjusting Nut	4
325	OR90227	M10 Lock Washer	4
326	OR91746	M10 x 45mm Hex Hd Screw	4
327	OR93922	M16 Lock Nut	1
328	OR90366	6204ZZ Ball Bearing	1
329	OR91774	M4 x 10mm Round Hd Screw	3
330	OR90077	M4 Lock Washer	3
331	OR72455	Bearing Cover	1
332	OR94230	7x7x65mm Key (Rad Both Ends)	1
333	OR94330	M10 x 25mm Hex Hd Screw	2
334	OR94231	M10 Flat Washer	2
335	OR90248	M8 Lock Washer	4

KEY NO.	PART NO.	DESCRIPTION	QTY.
336	OR93535	M8 x 25mm Hex Soc Hd Screw	4
337	OR72456	Motor Bracket	1
338	OR70434	Motor	1
339	OR70381	Motor Plate	-
340	OR72482	Ornament Label	-
341	OR72467	Plate, Cable	1
342	OR94212	7N-2 Strain Relief Bushing	2
343	OR92137	M5 x 12mm Pan Hd Screw	2
344	OR72468	Support Set	1
345	OR94232	M10 Rivet Nut	1
346	OR70329	Spec Label / MFG Plate	1
347	N/A	M6 Hex Nut	X
348	N/A	Spring	X
349	N/A	M8 X 20MM HEX SOC HD SCREW	X
350	N/A	M8 Lock Washer	X
351	N/A	Brake pedal	X
352	N/A	Support, Brake	X
353	N/A	Rotation Rod	X
354	N/A	M10 Hex Nut	X
355	N/A	M16 Lock Nut	X
356	N/A	M16 Flat Washer	X
357	N/A	M8 x 25mm Hex Soc Hd Screw	X
358	N/A	M8 Flat Washer	X
359	N/A	Brake	X
360	N/A	M10 Hex Nut	X
361	N/A	M10 Lock Nut	X
362	N/A	M10 Flat Washer	X
363	OR72475	Motor Cord (Not Shown)	1
364	OR72476	Power Cord (Not Shown)	1
400	OR72527	Owners Manual (Not Shown)	1
400	OR72528	Owners Manual Spanish (Not Shown)	1
400	OR72529	Owners Manual French (Not Shown)	1

MODEL 50250 (18”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
300	OR71790	Lower Door Assy. Inc. Ref. 301, 302	-
301	OR71791	Lower Front Door	1
302	OR71792	Sponge Pad	1
303	OR71793	Lower Wheel Assy. Inc. Ref. 304,305	-
304	OR71794	Lower Wheel	1
305	OR71738	Tire	1
306	OR90500	M16 L.H. Hex Nut	1
307	OR71802	Flat Washer	1
308	OR71804	Spindle Pulley	1
309	OR93380	M8x 15mm Hex Soc Set Screw	2
310	OR71806	Motor Pulley	1
311	OR90235	M6 Hex Nut	1
312	OR90331	M6 x 25mm Pan Hd Screw	1
313	OR71807	V-Belt	1
319	OR73671	Lower Wheel Support Assy. Inc. Ref. 320,321,322,323,324,325,326,327,328,329,330,331	X
320	OR72451	Shaft Lower	1
321	OR94899	7x7x70mm Key (Rad Both Ends)	1
322	OR93544	6205ZZ Ball Bearing	1
323	OR72453	Bearing Base	1
324	OR72454	Adjusting Nut	4
325	OR90227	M10 Lock Washer	4
326	OR91746	M10 x 45mm Hex Hd Screw	4
327	OR93922	M16 Lock Nut	1
328	OR90366	6204ZZ Ball Bearing	1
329	OR91774	M4 x 10mm Round Hd Screw	3
330	OR90077	M4 Lock Washer	3
331	OR72455	Bearing Cover	1
332	OR94230	7x7x65mm Key (Rad Both Ends)	1
333	OR94330	M10 x 25mm Hex Hd Screw	2
334	OR94231	M10 Flat Washer	2
335	OR90248	M8 Lock Washer	4
336	OR93535	M8 x 25mm Hex Soc Hd Screw	4
337	OR72456	Motor Bracket	1
338	OR70435	Motor	1
339	OR70382	Motor Plate	-
340	OR72483	Ornament Label	-
341	OR72467	Plate, Cable	1
342	OR94212	7N-2 Strain Relief Bushing	2
343	OR92137	M5 x 12mm Pan Hd Screw	2
344	OR72468	Support Set	1
345	OR94232	M10 Rivet Nut	1
346	OR70330	Spec Label / MFG Plate	1
347	OR90235	M6 Hex Nut	1
348	OR72469	Spring	1
349	OR93381	M8 X 20MM HEX SOC HD SCREW	2
350	OR90248	M8 Lock Washer	2
351	OR72470	Brake pedal	1
352	OR72471	Support, Brake	1
353	OR72473	Rotation Rod	1
354	OR90228	M10 Hex Nut	1
355	OR93922	M16 Lock Nut	1
356	OR94234	M16 Flat Washer	1
357	OR91806	M8 x 25mm Hex Soc Hd Screw	1
358	OR94892	M8 Flat Washer(O.D.25mm X 2mm thick)	1
359	OR72474	Brake	1
360	OR90228	M10 Hex Nut	1
361	OR90927	M10 Lock Nut	1
362	OR90230	M10 Flat Washer	1
363	OR72530	Motor Cord (Not Shown)	1
364	OR72531	Power Cord (Not Shown)	1
400	OR72527	Owners Manual (Not Shown)	1
400	OR72528	Owners Manual Spanish (Not Shown)	1
400	OR72529	Owners Manual French (Not Shown)	1

MODEL 50300 (20”)

KEY NO.	PART NO.	DESCRIPTION	QTY.
300	OR71796	Lower Door Assy. Inc. Ref. 301, 302	-
301	OR71797	Lower Front Door	1
302	OR71798	Sponge Pad	1
303	OR71799	Lower Wheel Assy. Inc. Ref. 304, 305	-
304	OR71800	Lower Wheel	1
305	OR71741	Tire	1
306	OR90500	M16 L.H. Hex Nut	1
307	OR71802	Flat Washer	1
308	OR71804	Spindle Pulley	1
309	OR93380	M8x 15mm Hex Soc Set Screw	2
310	OR71806	Motor Pulley	1
311	OR90235	M6 Hex Nut	1
312	OR90331	M6 x 25mm Pan Hd Screw	1
313	OR71809	V-Belt	1
319	OR73671	Lower Wheel Support Assy. Inc. Ref. 320,321,322,323,324,325,326,327,328,329,330,331	X
320	OR72452	Shaft Lower	1
321	OR94899	7x7x70mm Key (Rad Both Ends)	1
322	OR93544	6205ZZ Ball Bearing	1
323	OR72453	Bearing Base	1
324	OR72454	Adjusting Nut	4
325	OR90227	M10 Lock Washer	4
326	OR91746	M10 x 45mm Hex Hd Screw	4
327	OR93922	M16 Lock Nut	1
328	OR90366	6204ZZ Ball Bearing	1
329	OR91774	M4 x 10mm Round Hd Screw	3
330	OR90077	M4 Lock Washer	3
331	OR72455	Bearing Cover	1
332	OR94230	7x7x65mm Key (Rad Both Ends)	1
333	OR94330	M10 x 25mm Hex Hd Screw	2
334	OR94231	M10 Flat Washer	2
335	OR90248	M8 Lock Washer	4
336	OR93535	M8 x 25mm Hex Soc Hd Screw	4
337	OR72457	Motor Bracket	1
338	OR70436	Motor	1
339	OR70383	Motor Plate	-
340	OR72458	Ornament Label	-
341	OR72467	Plate, Cable	1
342	OR94212	7N-2 Strain Relief Bushing	2
343	OR92137	M5 x 12mm Pan Hd Screw	2
344	OR72468	Support Set	1
345	OR94232	M10 Rivet Nut	1
346	OR70331	Spec Label / MFG Plate	1
347	OR90235	M6 Hex Nut	1
348	OR72469	Spring	1
349	OR93381	M8 X 20MM HEX SOC HD SCREW	2
350	OR90248	M8 Lock Washer	2
351	OR72470	Brake pedal	1
352	OR72472	Support, Brake	1
353	OR72473	Rotation Rod	1
354	OR90228	M10 Hex Nut	1
355	OR93922	M16 Lock Nut	1
356	OR94234	M16 Flat Washer	1
357	OR91806	M8 x 25mm Hex Soc Hd Screw	1
358	OR94892	M8 Flat Washer(O.D.25mm X 2mm thick)	1
359	OR72474	Brake	1
360	OR90228	M10 Hex Nut	1
361	OR90927	M10 Lock Nut	1
362	OR90230	M10 Flat Washer	1
363	OR72532	Motor Cord (Not Shown)	1
364	OR72533	Power Cord (Not Shown)	1
400	OR72527	Owners Manual (Not Shown)	1
400	OR72528	Owners Manual Spanish (Not Shown)	1
400	OR72529	Owners Manual French (Not Shown)	1

◆ NOTES ◆

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